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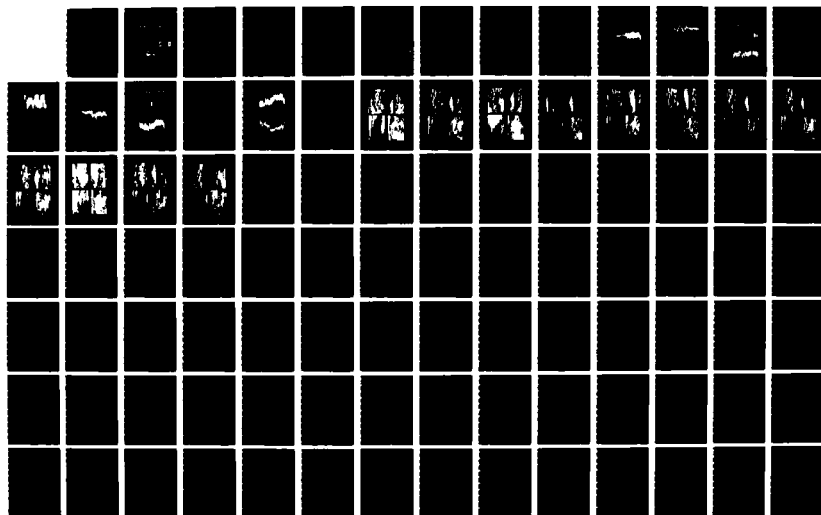
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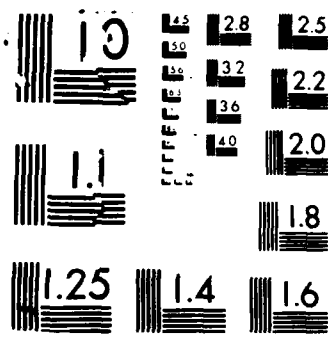
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Coso Monitoring Program

October 1985 Through September 1986

by
E. M. Edwards
Public Works Department

FEBRUARY 1987

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NAVAL WEAPONS CENTER
CHINA LAKE, CA 93555-6001



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Naval Weapons Center

FOREWORD

This report presents the status of the Coso Monitoring Program Conducted for the period October 1985 through September 1986 by the Naval Weapons Center (NWC), China Lake, CA. The investigation, funded under the NWC Coso Geothermal Development Program, is being conducted to provide baseline information on Hydrology and Surface Geothermal activity in the Coso Hot Springs area.

This report was reviewed for technical accuracy by Steven G. Bjornstad.

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Public Works Officer
6 March 1987

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Released for publication by
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Technical Director

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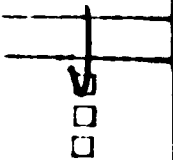
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19 ABSTRACT (Continue on reverse if necessary and identify by block number) (U) The Coso Monitoring Program is a continuing effort in support of the development of the Navy's Geothermal Resources within the Coso Known Geothermal Resource Area (KGRA). Data are presented on the monitoring of steam flow rates and temperatures, water levels in ponds and wells, water chemistry, temperature logs of shallow wells and rainfall in the Coso Hot Springs Resort Area. A weekly photographic essay of the mud pots and pools shows the variation of surface water levels throughout the year.				
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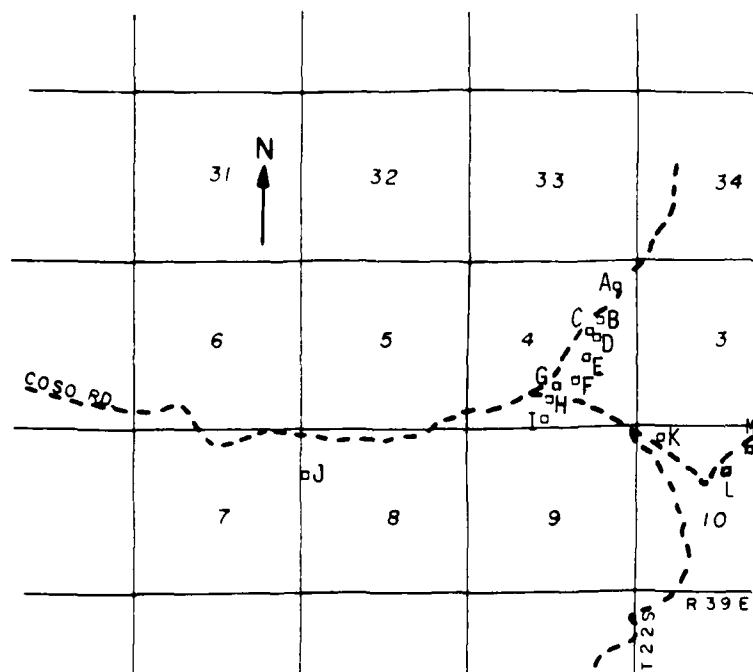
INTRODUCTION

The Coso monitoring program was initiated in 1978 to gather baseline data on the surface and near surface geothermal activity at Devils Kitchen and Coso Hot Springs, the main thermal site within the Coso Known Geothermal Resource Area (Coso KGRA).

This report presents the results of continual baseline data collection for the Fiscal Year 1986. The collection of data, photographs, and data reduction was done by the author. Many others in the geothermal program office have helped on the monitoring program, especially Steve Bjornstad whose patient assistance in leading the author through the computer programs and data reduction methods made the whole effort possible.

Figure 1 is a map of the Coso Hot Springs area and shows the various monitoring sites referred to in this report. The letter that follows the site descriptions on the map indicates the monitoring functions: (1) continuous steam flow, (2) periodic steam flow, (3) continuous water level, (4) periodic water level (5) continuous temperature, (6) periodic temperature (7) photographic investigation of water level, and (8) water chemistry.

In this report the individual sites will be described only if new to the program or if there has been a significant change to the site. The major improvement this year was recording rain gauges that need to be changed twice a year rather than after each rain.



- A. Schober's Resort.....1, 2, 5
- B. Eight-Inch Steam Well.....1, 2
- C. Coso Well 1.....3, 6
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- E. Coso Mud Pots.....4, 7, 8
- F. South Pool.....3, 6, 7
- G. Well 4K-1.....4, 6, 7, 8
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- I. Two-Inch Steam Well.....1, 5
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- K. Coso Well 2.....4, 6, 8
- L. Observation Well #2.....4
- M. Observation Well #3.....8

FIGURE 1. Map of Coso Hot Springs Area Showing Monitoring Site Locations.
Adapted from U.S.G.S. Haiwee Reservoir Quadrangle, 1951, 1:48,000.

STEAM FLOW AND STEAM TEMPERATURE MONITORING

Steam flow and temperature are measured at several sites in the Coso Hot Springs area. Except for the monitoring station at the corrosion array within Devils Kitchen, all of the sites are located along the Airport Lake-Coso Hot Springs fault. The conversion factors for the data gathered at each site are as follows: Devils Kitchen, 40.23; Coso Corrosion Array, 82.99; Two-Inch Steam Well, 15.7; Eight-Inch Steam Well, 20.56; Schober's Resort, 0.5265.

DEVILS KITCHEN

Daily steam flows at Devils Kitchen for the reporting period are given in Appendix Table A-1. These data are shown graphically in Figure 2. Yearly mean data and standard deviations for the high and low daily steam flows at Devils Kitchen are given in Table 1.

The graph of Figure 2 shows an obvious change in the form of the record beginning in mid February 1986. It should be noted that prior years records show the beginning of this anomaly as occurring in November 1985. The reason for inception of this anomaly was repair and recalibration of the instrumentation. The instrumentation then performed consistently until mid February 1986 at which time the same style of instrumental response reoccured. The reasons are still being sought, but the problem appears to be a subtle failure of the instrumentation with time.

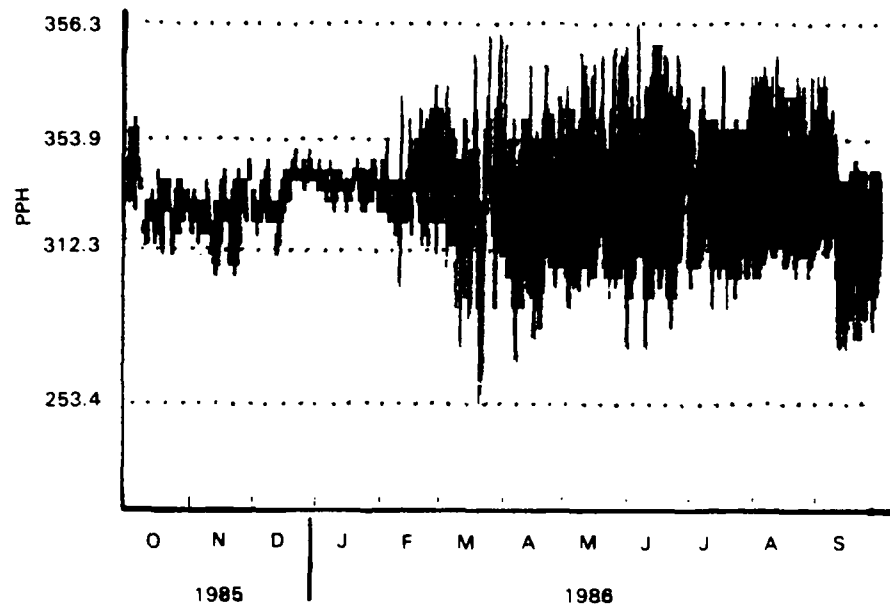


FIGURE 2. Devils Kitchen Steam Flow

TABLE 1. Devils Kitchen Statistical Flow Data
Pounds Per Hour (pph)

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	353.9	17.8	312.3	16.6

COSO RESORT CORROSION ARRAY

Daily steam flows at the Coso Resort Corrosion Array for the reporting period are given in Appendix Table A-2. These data are shown graphically in Figure 3. Yearly mean data and standard deviations for the high and low daily steam flows at this site are given in Table 3.

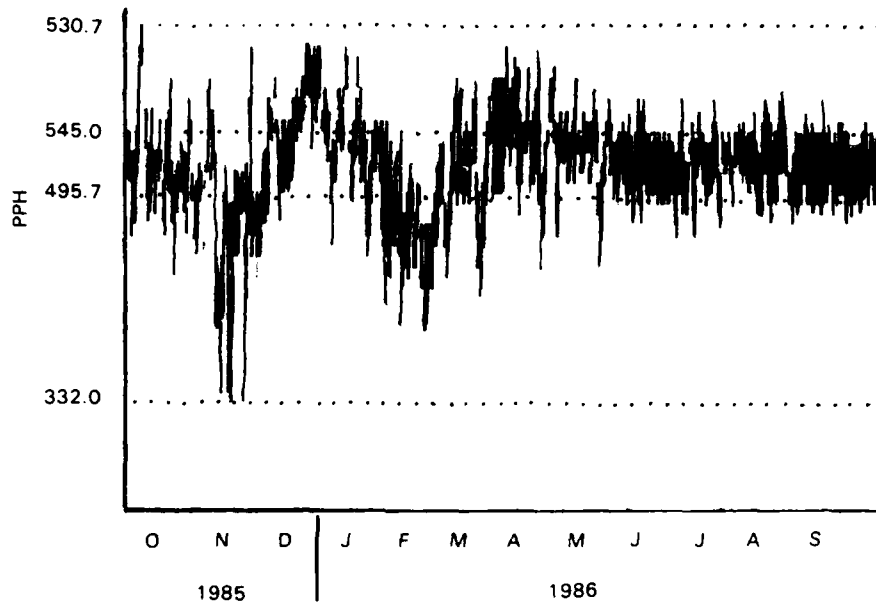


FIGURE 3. Coso Resort Corrosion Array

TABLE 2. Coso Resort Corrosion Array Statistical Flow Data
Pounds Per Hour (pph)

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	545.1	33.1	495.7	41.5

TWO-INCH STEAM WELL

Appendix Tables A-3 and B-1 give the daily steam flow and temperature data, respectively, for the Two-Inch Steam Well. These data are shown graphically in Figures 4 and 5. Yearly mean data and standard deviations are given for the high and low daily steam flows (Table 3), and for the high and low daily steam temperatures (Table 4).

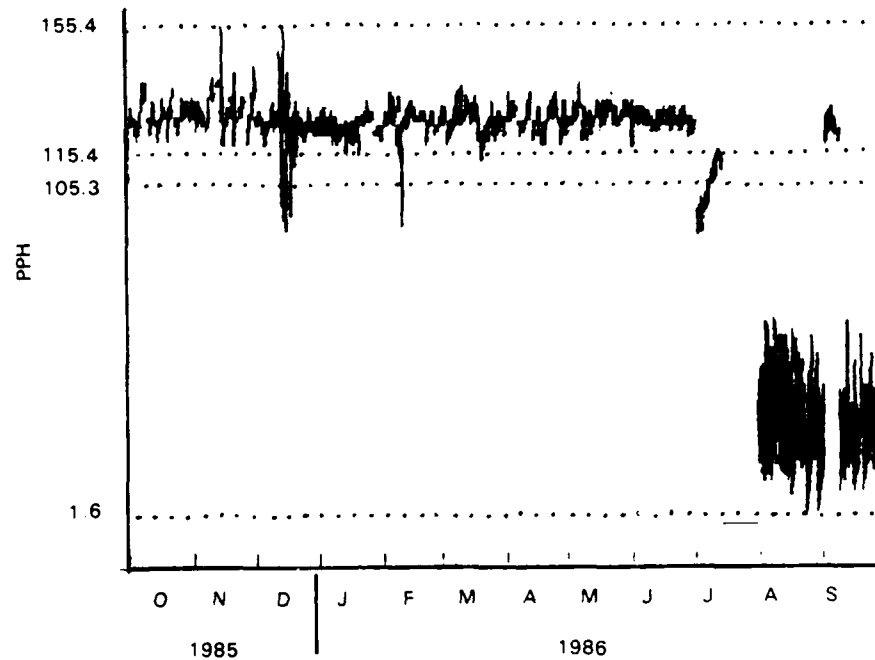


FIGURE 4. Two-Inch Steam Well Flow

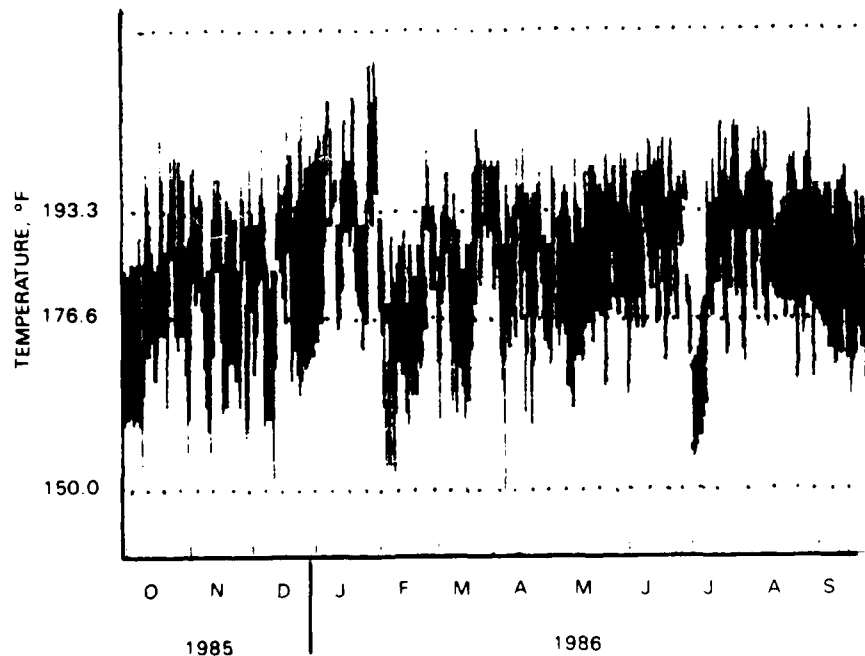


FIGURE 5. Two-Inch Steam Well Temperature

TABLE 3. Two-Inch Steam Well Statistical Flow Data
Pounds Per Hour (pph)

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	115.4	30.6	105.3	39.8

TABLE 4. Two-Inch Steam Well Statistical
Temperature Data, °F

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	193.3	8.5	176.5	10.2

EIGHT-INCH "STOVE-PIPE" WELL

Daily steam flows at the Eight-Inch Well are given in Appendix Table A-4 and are shown graphically in Figure 6. Yearly mean data and standard deviations for the high and low daily steam flows at the Eight-Inch Well are given in Table 5.

This site has always given erratic results. The data in this report is more stabilized than in the past. In the coming year, plans are to install a 90° elbow so that the orifice plate will be in a vertical position rather than the horizontal. It is felt this change will produce improved data.

The recorder was down for maintenance and calibration during September accounting for the absence of data.

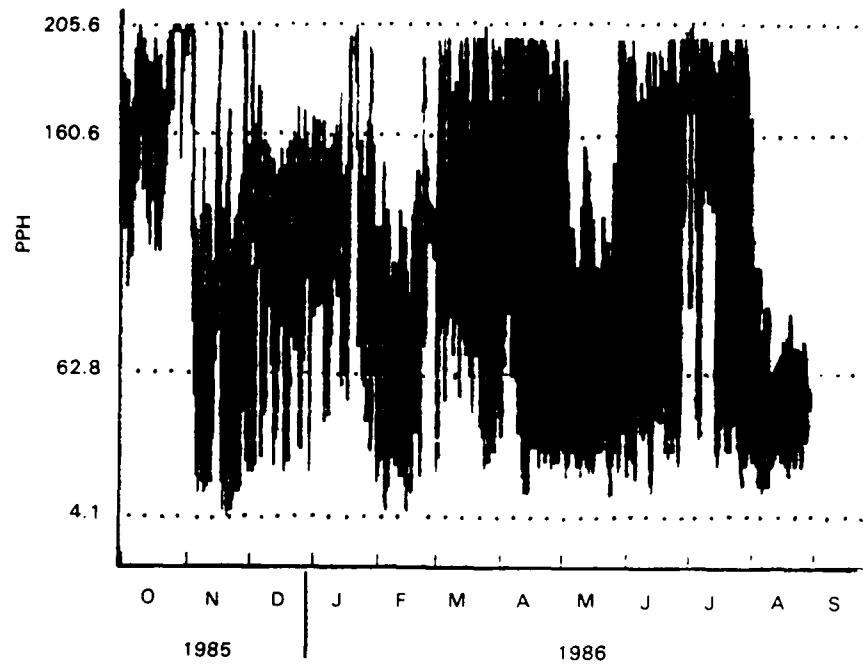


FIGURE 6. Eight-Inch Well Steam Flow

TABLE 5. Eight-Inch Well Statistical Flow Data
Pounds per Hour (pph)

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	160.6	42.1	62.8	48.4

SCHOBER'S RESORT

Appendix Tables A-5, B-2, and B-3 give the daily steam flow, steam temperature, and ambient temperature data, respectively, for the Schober's Resort site. The steam flow and temperature data are shown graphically in Figures 7 and 8. Yearly mean data and standard deviations are given for the high and low daily steam flows (Table 6), and for the high and low daily steam temperatures (Table 7). Fluctuation and range in the daily ambient temperature in the Coso Hot Springs area is shown graphically as the ambient temperature at Schober's Resort in Figure 9.

The large fluctuations on the graphs (Figures 7 to 8) indicate time when the orifice in the orifice plate became plugged.

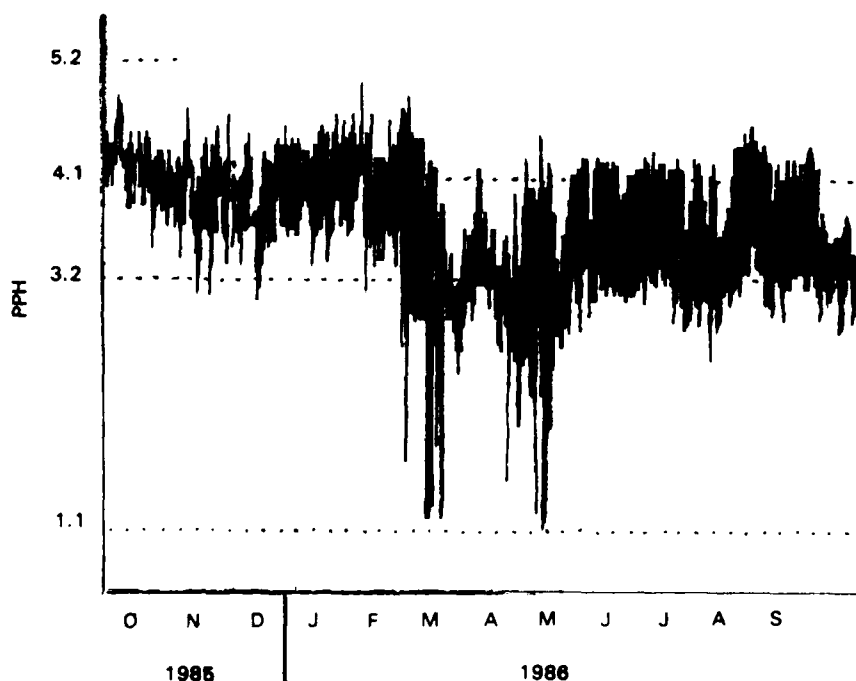


FIGURE 7. Schober's Resort Steam Flow

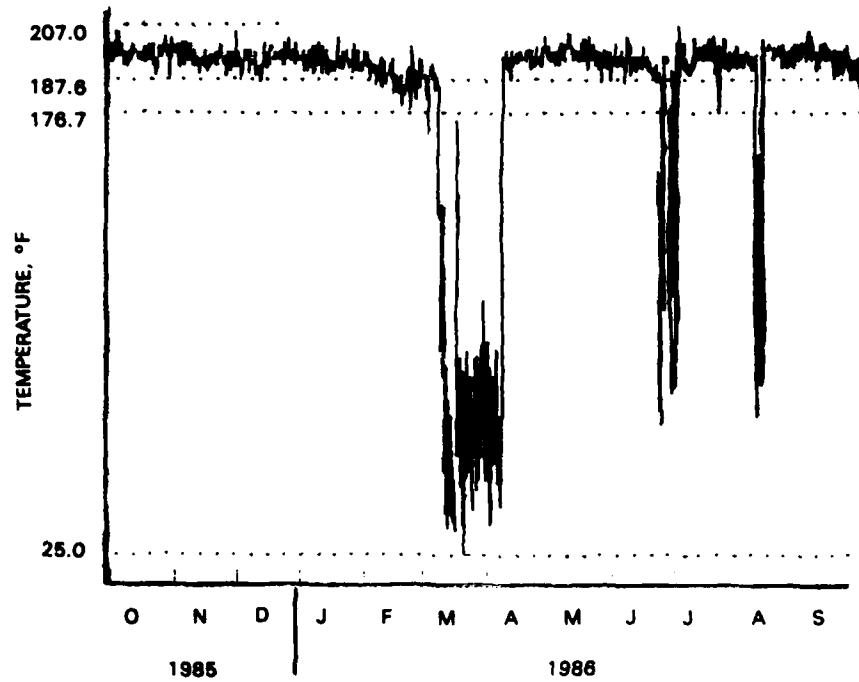


FIGURE 8. Schober's Resort Steam Temperature °F

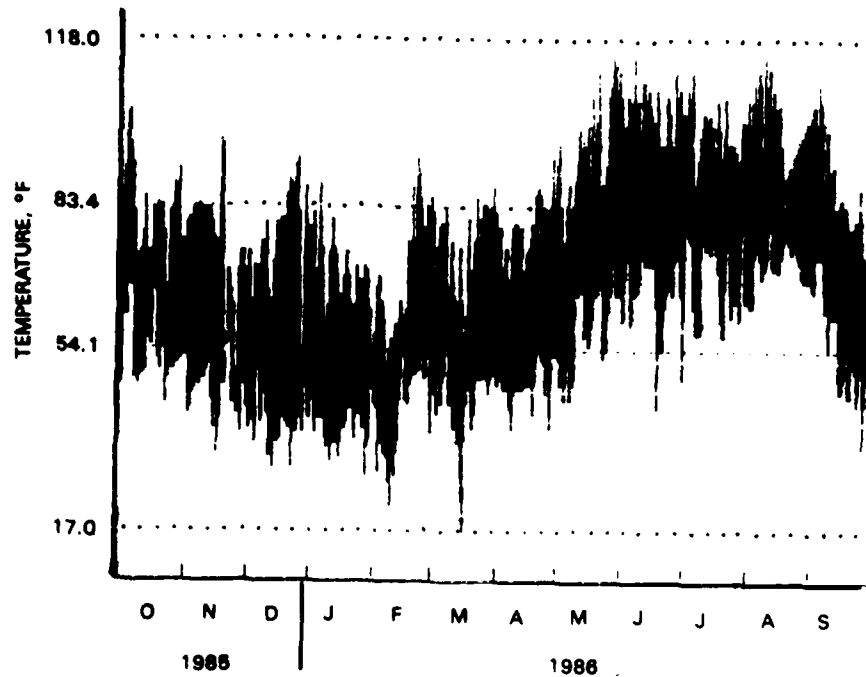


FIGURE 9. Schober's Ambient Temperature °F

TABLE 6. Schober's Resort Statistical Flow Data
Pounds Per Hour (pph)

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	4.1	.4	3.2	.6

TABLE 7. Schober's Resort Statistical Steam
Temperature Data, °F

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	187.6	29.8	176.7	43.7

TABLE 8. Schober's Resort Statistical Ambient
Temperature Data, °F

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	83.4	15.7	54.1	13.8

COSO MUD POTS

Appendix Tables B-4 and B-5 give the ambient and mud temperatures at the Coso Resort Mud Pot site. The temperatures are shown graphically in Figures 10 and 11. Yearly mean data and standard deviations are given for the high and low ambient temperature (Table 9) and the mud temperatures (Table 10). The recorder was down for repairs during October and November 1985.

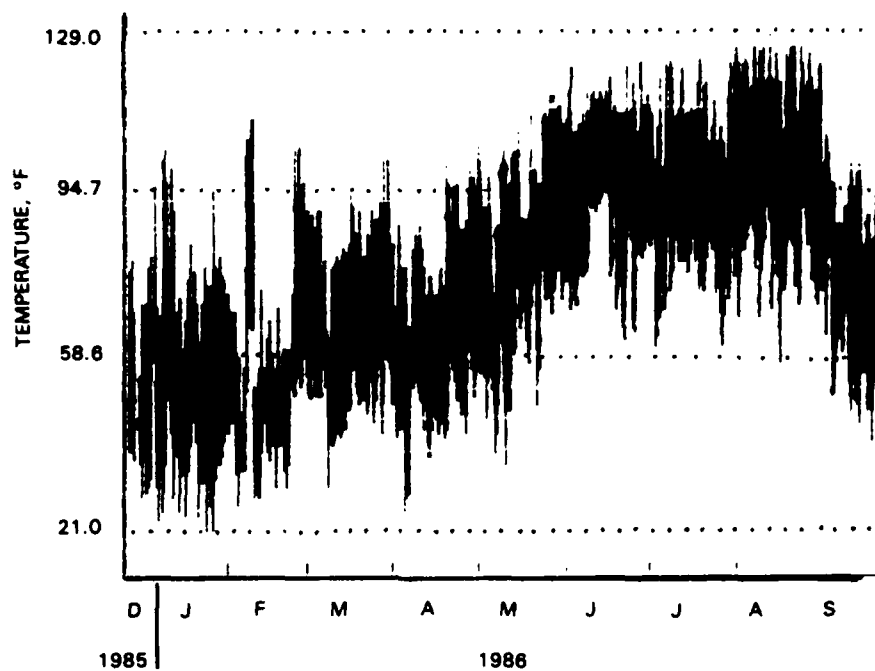


FIGURE 10. Coso Resort Mud Pot Ambient Temperature °F

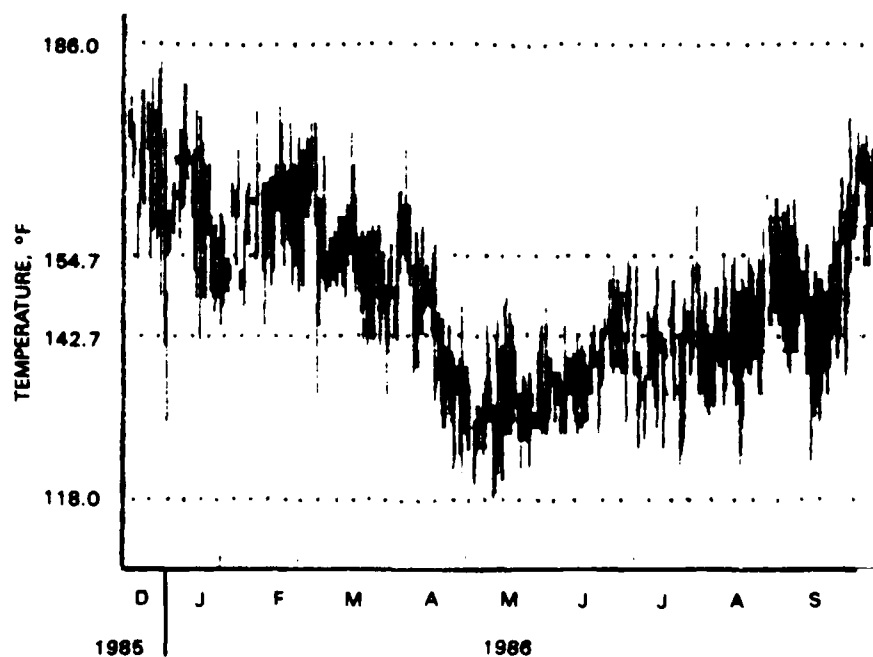


FIGURE 11. Coso Resort Mud Pot Temperature °F

TABLE 9. Coso Resort Mud Pot Statistical Ambient Temperature Data, °F

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	94.7	20.4	58.5	19.8

TABLE 10. Coso Resort Statistical Mud Pot Temperature Data, °F

Year	Mean, high daily flow	Standard deviation, high daily flow	Mean, low daily flow	Standard deviation, low daily flow
1985/6	154.7	12.9	142.7	12.3

COSO MUD POT PHOTOGRAPHIC INVESTIGATION

A weekly photographic investigation was initiated in January 1978 to document the fluctuation in fluid levels in several of the more prominent mud pots at Coso. This project will continue into the production and power-generation stages of the geothermal development.

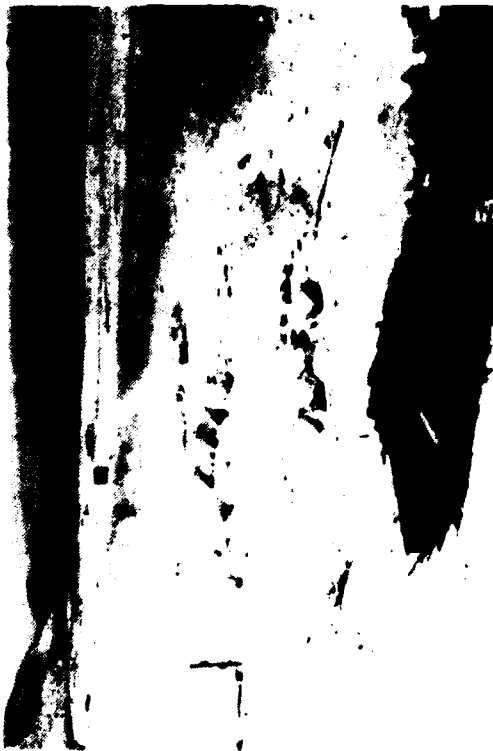
Figures 12 through 23 illustrate the seasonal variations in the fluid levels of four of the Coso mud pots and pools. The largest pool is the south pool, which is located inside a circular excavation along the Airport Lake-Coso Hot Springs fault scarp, approximately 1000 feet south of the main resort area. The other three mud pots included in the photographic series are located in the fenced compound adjacent to and south of the main Coso Resort building. A complete weekly photographic series is maintained by the Geothermal Program Office, NWC.



(B) GRAY MUD POTS.



(D) BROWN MUD POTS.



(A) SOUTH POOL.



(C) RED MUD POTS.

FIGURE 12. Coso Mud Pots, 7 October 1985.



C. GRAY MID FOLDS



D. BROWN MID FOLDS



A. SOUTH FOLDS



B. MID FOLDS

U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20508



(B) GRAY MUD POTS.



(D) BROWN MUD POTS.



(A) SOUTH POOL.



(C) RED MUD POTS.

FIGURE 14. Coso Mud Pots, 4 December 1985



(B) GRAY MUD POTS.



(D) BROWN MUD POTS.



(A) SOUTH POOL.



(C) RED MUD POTS.

FIGURE 10. Coso Mud Pots, 15 January 1986.



(A) SOUTH POOL.



(B) GRAY MUD POTS.



(C) RED MUD POTS.



(D) BROWN MUD POTS.

FIGURE 16. Goso Mud Pots, 3 February 1986.



(B) GRAY MUD POTS.



(D) BROWN MUD POTS.



(A) SOUTH POOL.



(C) RED MUD POTS.

FIGURE 17. Coso Mud Pots, 3 March 1986.



(B) GRAY MUD POTS.



(D) BROWN MUD POTS.



(A) SOUTH POOL.



(C) RED MUD POTS.

FIGURE 18. Coso Mud Pots, 1 April 1986.



(A) SOUTH POOL.



(B) GRAY MUD POTIS.



(C) RED MUD POTIS.



(D) BROWN MUD POTIS.

FIGURE 19. Coso Mud Pots, 5 May 1986.



(A) SOUTH POOL.



(B) GRAY MUD POTS.



(C) RED MUD POTS.



(D) BROWN MUD POTS.

FIGURE 20. Coso Mud Pots, 9 June 1986.



(B) GRAY MUD POTS.



(D) BROWN MUD POTS.



(A) SOUTH POOL.



(C) RED MUD POTS.

FIGURE 21. Coso Mud Pots, 1 July 1986.



(B) GRAY MUD POTS.



(D) BROWN MUD POTS.



(A) SOUTH POOL.



(C) RED MUD POTS.

FIGURE 22. Coso Mud Pots, 4 August 1986.



(B) GRAY MUD POTS.



(D) BROWN MUD POTS.



(A) SOUTH POOL.



(C) RED MUD POTS.

FIGURE 23. Coso Mud Pots, 2 September 1986.

WATER LEVEL MONITORING

Water levels have been monitored in the past, in three wells and three pools. In this report the number in each case has been reduced to two. The absent well is Coso Well 2 which during a pump replacement in August of 1985 the tube through which the measurement was taken was damaged to the point that measurement is impossible. The cistern at the mud pots, the third pool, was filled with sand during runoff of water during the rain of August 1984.

Figure 24 is a plot of water levels at Coso Well 1 and 4P-1. The dotted lines during March, June, July and September were times when the measuring device was down for repair.

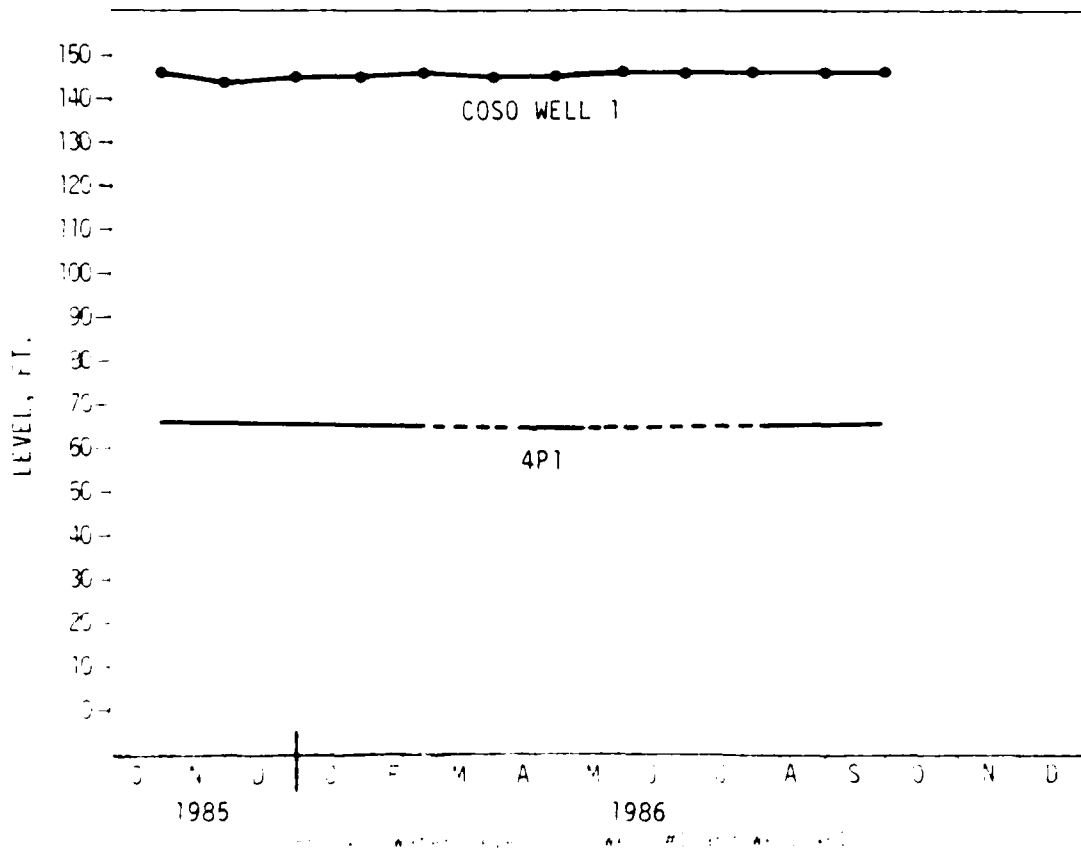


TABLE 11. Elevation Data on Coso Pools
October 1985 through September 1986

Date	Ambient temperature, °F	Pool designation	Elevation, ft.	Change in elevation since 7 Oct. 85, ft.
10-07-85	72	1 South Pool	3612.02	0.00
		2 Red Pool	3605.50	0.00
10-15-85	78	1	3612.02	0.00
		2	3605.58	+0.08
10-21-86	56	1	3612.43	+0.41
		2	3605.58	+0.08
10-28-85	78	1	3612.66	+0.23
		2	3605.58	+0.08
11-04-85	70	1	3612.87	+0.21
		2	3605.58	+0.08
11-12-85	36	1	3613.55	+0.68
		2	3605.70	+0.12
11-18-85	50	1	3613.99	+0.44
		2	3605.62	+0.04
11-25-85	48	1	3614.26	+0.27
		2	3605.66	+0.04
12-04-85	54	1	3614.55	+0.29
		2	3605.66	+0.04
12-09-85	51	1	3615.22	+0.67
		2	3605.66	+0.04
12-16-85	55	1	3615.15	+0.07
		2	3605.66	+0.04
12-20-85	59	1	3615.27	+0.12
		2	3605.58	+0.08
12-30-85	60	1	3615.38	+0.11
		2	3605.60	+0.02

TABLE 11. (Contd.)

Date	Ambient temperature, °F	Pool designation	Elevation, ft.	Change in elevation since 7 Oct. 85, in.
1-06-86	63	1	3605.48	+1.75
		2	3605.62	+1.50
1-15-86	57	1	3615.48	+1.75
		2	3605.62	+1.50
1-21-86	60	1	3615.50	+2.00
		2	3605.6	+1.50
1-27-86	62	1	3615.50	+2.00
		2	3605.64	+1.75
2-03-86		1	3615.52	+2.25
		2	3605.64	+1.75
2-10-86	65	1	3615.50	+2.00
		2	3605.64	+1.75
2-18-86	68	1	3615.42	+1.90
		2	3605.66	+2.00
2-24-86	67	1	3615.34	+1.90
		2	3605.66	+2.00
3-03-86	70	1	3614.88	+3.50
		2	3605.66	+2.00
3-10-86	73	1	3614.96	+3.50
		2	3605.6	+1.90
3-17-86	53	1	3614.88	+3.50
		2	3605.58	+1.90
3-25-86	84	1	3614.7	+3.30
		2	3605.5	+1.80
4-02-86	76	1	3614.67	+3.20
		2	3605.4	+1.70

TABLE III (Cont'd.)

Date	Ambient temperature, °F	Pool designation	Elevation, ft	Change in elevation, ft
4-08-86	72	1	3614.40	+2.70
		2	3605.54	+3.00
4-14-86	75	1	3614.34	+28.00
		2	3605.46	+3.00
4-21-86	78	1	3614.25	+25.75
		2	3605.3	+3.00
4-28-86	84	1	3613.61	+9.25
		2	3605.25	+3.00
5-05-86	70	1	3613.34	+6.00
		2	3605.27	+3.00
5-09-86	80	1	3613.24	+1.75
		2	3605.17	+3.00
5-19-86	98	1	3612.93	+1.00
		2	3605.17	+3.00
5-22-86	88	1	...	...
		2	Drv	...
5-30-86	95	1	...	...
		2	Drv	...
6-09-86	90	1	...	...
		2	Drv	...
6-16-86	84	1	...	...
		2	Drv	...
6-26-86	100	1	...	...
		2	Drv	...
7-03-86	98	1	...	...
		2	Drv	...

TABLE 11. (Contd.)

Date	Ambient temperature, °F	Pond designation	Elevation, ft	Change in elevation since October 8, 1985, ft
7-09-86	86	1	3613.35	+18.50
		2	Drv	0.00
7-14-86	90	1	3613.30	+15.50
		2	Drv	0.00
7-21-86	82	1	3613.05	+12.50
		2	Drv	0.00
7-28-86	94	1	3613.05	+12.50
		2	3605.25	-6.00
8-04-86	98	1	3612.78	+9.25
		2	Drv	0.00
8-12-86	92	1	3612.37	+4.25
		2	3605.37	-2.25
8-18-86	64	1	3612.12	+1.25
		2	3605.31	-2.25
8-22-86	68	1	3612.02	-0.00
		2	3605.3	-2.50
8-25-86	73	1	3611.92	-1.25
		2	3605.42	-1.00
9-02-86	82	1	3611.76	-4.25
		2	3605.50	-0.00
9-09-86	86	1	3611.65	-4.50
		2	3605.50	-0.00
9-14-86	76	1	3611.82	-2.50
		2	3605.33	-2.50
9-24-86	64	1	3611.39	-4.50
		2	3605.58	+1.00

TABLE 12. Summary of Water Level at South Pool,
True Elevation, Referenced USGS Benchmark 3635-1905-13B.
January 1980 through September 1986.

Year	High	Low	Mean	Standard deviation
1980	3615.55	3610.55	3613.05	1.8
1981	3614.95	3610.55	3612.65	1.4
1982	3615.05	3611.95	3613.75	1.0
1983	3616.65	3613.15	3614.75	1.1
1984	3614.54	3609.84	3612.69	1.1
1985	3614.46	3610.54	3612.89	1.5
1986	3615.52	3611.65	3613.80	1.3

Values are given in feet. Values are rounded to the nearest 0.01 foot. Values are given in feet. Values are rounded to the nearest 0.01 foot.

RAINFALL AT COSO RESORT AREA AND ROSE VALLEY

Rainfall in the Coso Hot Springs basin is monitored at five sites as shown in Figure 25. Instrumentation at each site includes battery operated digital read out gauges triggered from a tipping bucket and manually read funnel gauges. The latter part of the year this instrumentation was replaced with new tipping buckets and 6 month duration battery operated strip recorders. This new equipment will give us continuous data not affected by evaporation with only two or three trips to gauges per year.

Data collected from these sites are listed in Table 13.

Data collected in Rose Valley are listed in Table 14.

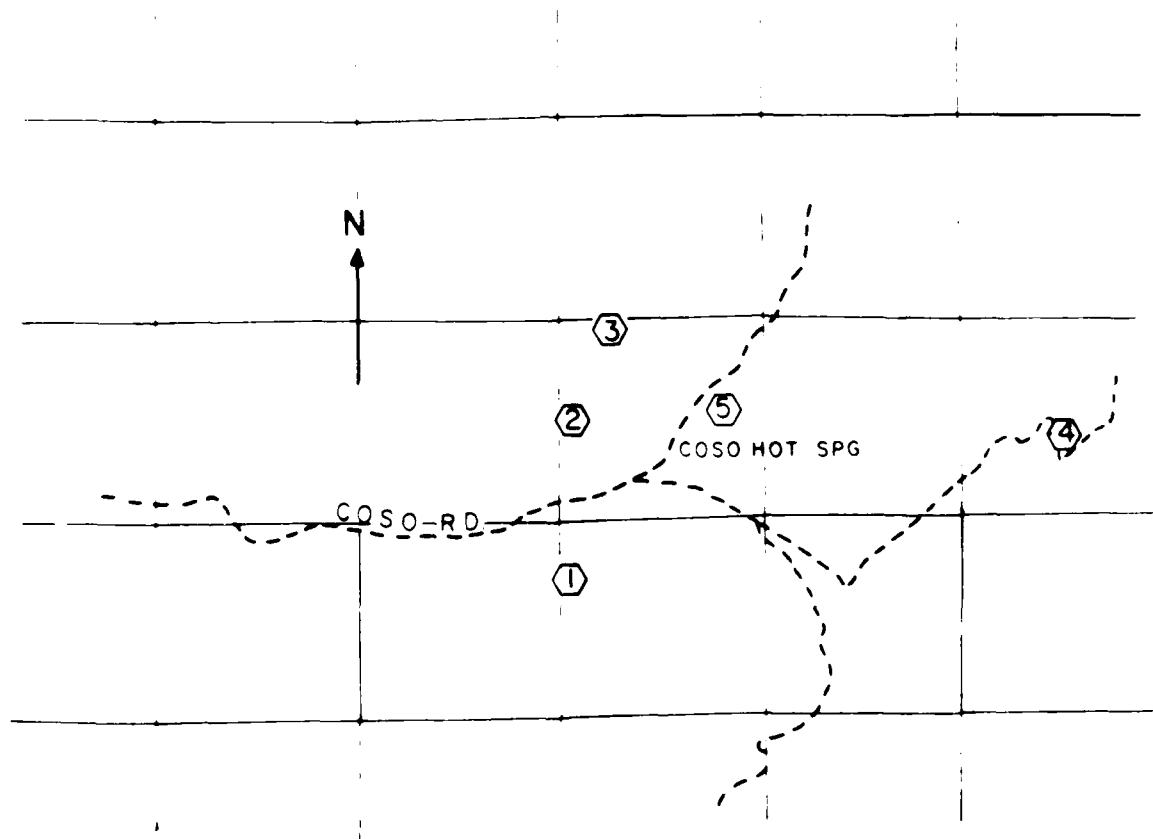


FIGURE 25. Rainfall Monitoring Station Locations

TABLE 13. Inches of Rainfall Recorded at Coso Monitoring Stations

DATE	STATION 1 TIPPING BUCKET	STATION 2 TIPPING BUCKET	STATION 3 TIPPING BUCKET	STATION 4 FUNNEL	STATION 5 TIPPING BUCKET
10/15/85				...	0.01
11/12/85				0.15	0.40
11/18/85				...	0.01
11/25/85				0.16	0.26
12/04/85	1.06	0.82	1.12	0.06	0.24
01/06/86				0.25	0.36
02/02/86	1.52	0.96	1.46	0.60	1.02
02/17/86				0.42	0.81
03/03/86				0.10	0.30
03/06/86	0.20	0.25	0.14	...	...
03/10/86				0.12	0.32
03/17/86				0.06	0.20
04/08/86				0.06	0.15
06/09/86				0.04	0.10
07/21/86				...	0.02
07/28/86				0.20	0.30
08/20/86	1.09	1.55	1.77	...	...
08/26/86	0.15	0.14	0.32	...	...
09/02/86				0.08	0.16
TOTAL	4.02	3.72	4.81	2.30	4.66

NOTE: Stations 1, 2 and 3 were read intermittently throughout the year.
Stations 4 and 5 were read after each rain.

TABLE 14. Rose Valley Cumulative Rainfall
October 1985 Thru September 1986

Date	Daily, in.	Cumulative, in.	Date	Daily, in.	Cumulative in.
10-22-85	Trace	...	2-19-86	0.20	4.09
11-11-85	0.03	0.03	2-20-86	0.03	4.12
11-12-85	Snow	...			
11-13-85	0.30	0.33	3-03-86	0.20	4.09
11-25-85	0.35	0.68	3-09-86	0.34	4.50
			3-10-86	0.15	4.65
11-26-85	0.03	0.71	3-11-86	0.23	4.88
11-29-85	Trace	...	3-12-86	0.02	4.90
11-30-85	0.45	1.16			
12-02-85	0.22	1.38	3-16-86	0.08	4.98
12-03-85	0.27	1.65	3-17-86	0.28	5.26
			3-29-86	0.01	5.27
12-11-85	Snow	...			
12-28-85	Trace	...	4-06-86	0.30	5.57
12-30-85	Trace	...	4-07-86	0.02	5.59
			4-23-86	Trace	...
1-05-86	0.25	1.90			
1-06-86	0.12	2.02	6-01-86	0.01	5.60
1-15-86	Trace	...			
1-30-86	0.76	2.78	7-22-86	0.01	5.61
1-31-86	0.17	2.95	7-23-86	0.10	5.71
			8-11-86	0.06	5.77
2-1-86	0.02	2.97	8-19-86	Trace	...
2-13-86	0.45	3.42	8-22-86	Trace	...
2-15-86	0.18	3.60			
2-16-86	0.29	3.89	9-25-86	Trace	...
2-18-86	Trace	...			

WATER ANALYSIS OF COSO AREA WELLS

Water sampling of two Coso observation wells (Coso Well #2 and Observation Well #3) that are being monitored for chemical composition was conducted on July 30, 1986 and May 14, 1986.

Table 15 shows the chemical analysis for each well; these analyses were performed by BC Laboratories, Inc., Bakersfield, Calif.

TABLE 15. Water Analysis

Constituents	Coso Well #2 mg/liter	Observation Well #3 mg/liter
Calcium	63.	57.
Magnesium	6.6	16.
Sodium	1500.	990.
Potassium	136.	55.
Carbonate	0.	0.
Bicarbonate	213.	260.
Chloride	2443.	1568.
Sulfate	54.	51.
Nitrate	1.8	3.1
Fluoride	3.8	1.7
Total Iron	0.08	0.10
Manganese	1.5	0.43
Arsenic	2.7	(-) 0.01
Copper	(-) 0.01	(-) 0.01
Zinc	0.04	(-) 0.01
Total Dissolved Solids @ 180°	4570	3055.
Mercury	0.017	0.0004
Selenium	(-) 0.005	0.005
Aluminum	(-) 0.5	1.0
Boron	52.	35.0
Silica	105.	0.30
Strontium	1.8	64.
Thallium	(-) 0.5	1.7
Ammonium	(-) 0.3	(-) 0.5
Antimony	(-) 1.0	(-) 0.3
Bromide	5.0	(-) 1.0
Nitrite	(-) 0.02	3.2
Lithium	13.	7.4
Phosphate	1.0	(-) 0.1
Electrical Conductivity, Micromhos/cm @ 25°	7900.	5600.
pH	7.0	7.9

(-) refers to "less than".

WATER ANALYSIS OF COSO AREA POOLS

Water sampling of two Coso Area Pools (Red Mud Pot and South Pool) that are being monitored was conducted on July 30, 1986. Table 16 shows the chemical analysis of each pool; these analyses were performed by BC Laboratories, Inc., Bakersfield, Calif.

TABLE 16. Chemical Analysis

Constituents	Red Mud Pots mg/liter	South Pool mg/liter
Bromide	5.0	(-) 1.0
Acidity as H ⁺	9.8	10.0
Calcium	77.	64.
Magnesium	27.	22.
Sodium	62.	48.
Potassium	3.8	20.
Carbonate	0.	0.
Bicarbonate	0.	0.
Chloride	(-) 1.8	3.5
Sulfate	1600.	1180.
Nitrate	1.3	(-) 0.4
Fluoride	0.35	0.21
Total Iron	192.	246.
Manganese	1.7	1.6
Arsenic	0.04	(-) 0.01
Copper	0.10	(-) 0.01
Zinc	0.81	0.52
Total Dissolved Solids @ 180°	2660.	2135.
Mercury	(-) 0.0002	0.0002
Selenium	(-) 0.005	(-) 0.005
Aluminum	27.	5.2
Boron	(-) 0.10	0.30
Silica	267.	295.
Strontium	(-) 0.1	(-) 0.1
Thallium	(-) 0.5	(-) 0.5
Ammonium	109.	103.
Antimony	(-) 1.0	(-) 1.0
Bromide	(-) 1.	(-) 1.
Nitrite	(-) 0.02	(-) 0.02
Lithium	0.04	(-) 0.06
Phosphate	0.1	0.2
Electrical Conductivity, Micromhos/cm @ 25°	3300.	2600.
pH	2.5	2.9

(-) refers to "less than".

WATER ANALYSIS OF COSO DEVILS KITCHEN

Water sampling of two sources of water in Devils Kitchen was conducted on July 30, 1986. Table 17 shows the chemical analysis of water from the spring south of the steam array and condensate from the steam array; these analyses were performed by B.C. Laboratories, Inc., Bakersfield, Calif.

TABLE 17. Chemical Analysis

Constituents	Devils Kitchen Spring mg/liter	Devils Kitchen Array mg/liter
Acidity as H+	13.	0.13
Calcium	68.	0.8
Magnesium	32.	0.10
Sodium	51.	13.3
Potassium	42.	2.9
Carbonate	0.	0.
Bicarbonate	0.	0.
Chloride	(-) 1.8	20.5
Sulfate	1250.	12.
Nitrate	(-) 0.4	(-) 0.4
Fluoride	0.60	0.18
Total Iron	65.	1.8
Manganese	2.5	0.07
Arsenic	0.05	0.01
Copper	(-) 0.01	(-) 0.01
Zinc	0.13	0.02
Total Dissolved Solids @ 180°	2345.	80.
Mercury	(-) 0.0002	0.0002
Selenium	(-) 0.005	0.005
Aluminum	18.	(-) 0.5
Boron	3.8	0.55
Silica	344.	1.1
Strontium	(-) 0.1	(-) 0.1
Thallium	(-) 0.5	(-) 0.5
Ammonium	14.1	(-) 0.3
Antimony	(-) 1.0	(-) 1.0
Bromide	(-) 1.	(-) 0.2
Nitrite	0.03	(-) 0.02
Lithium	0.11	0.15
Phosphate	(-) 0.1	(-) 0.1
Electrical Conductivity, Micromhos/cm @ 25°	4600.	240.
pH	2.2	3.8

(-) refers to "less than".

PLANS FOR 1987

Change piping at the eight-inch well with a 90° elbow to position the orifice plate in a vertical plane. This change was made at Schober's Resort Steam Well resulting in more stabilized data.

Install pressure method of water level data retrieval at Coso #1 which will provide a continuous record rather than an intermittent weekly record.

Update the well temperature logging equipment with improved high temperature sensors.

These items along with a continuing Maintenance, Upkeep, Repair (MUR) program will enhance the data gathering capability.

SUMMARY

The ongoing monitoring program has continued successfully during this reporting period. Minor instrumental problems have been identified and their effects on the data noted.

The photographic essay and the water level measurements continue to record the same types of variations from year to year for the mud pots and pools. The long term continuity in this data continues to indicate that local evaporation and rainfall are the major controlling factors for the observable surface phenomena.

The testing of the steam wells in the Condy and Jim Moore breccia pipes within the Coso steam field and the injection of spent fluids into the spreading fracture network tapped by the 31-8 and adjacent well has shown no identifiable affects on the mud pots or pools within the National Register Site to this date.

REFERENCES

1. Naval Weapons Center. Coso Monitoring Program, January 1984 through September 1985, by S. C. Bjornstad and E. M. Edwards. China Lake, Calif., NWC, January 1986. 113 pp. (NWC TP 6693, publication UNCLASSIFIED.)

NWC TP 6794

Appendix A
DAILY STEAM FLOW DATA

TABLE A-1. Devils Kitchen Site Steam Flow Data, Unfactored.

The conversion factor for this table is 40.23.

1985			1985		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
10-1	86	82	11-1	81	79
10-2	89	82	11-2	83	80
10-3	89	82	11-3	82	80
10-4	89	83	11-4	82	78
10-5	90	81	11-5	77	77
10-6	89	84	11-6	82	79
10-7	86	83	11-7	82	79
10-8	84	83	11-8	84	81
10-9	80	79	11-9	83	79
10-10	82	78	11-10	80	77
10-11	82	78	11-11	79	78
10-12	82	81	11-12	82	76
10-13	83	80	11-13	80	75
10-14	81	78	11-14	82	76
10-15	82	79	11-15	84	78
10-16	85	81	11-16	85	80
10-17	84	78	11-17	85	82
10-18	83	77	11-18	82	80
10-19	84	81	11-19	82	76
10-20	83	82	11-20	83	78
10-21	84	81	11-21	84	76
10-22	81	77	11-22	84	75
10-23	81	77	11-23	85	76
10-24	83	80	11-24	84	78
10-25	84	79	11-25	84	81
10-26	84	79	11-26	84	81
10-27	84	82	11-27	84	80
10-28	83	80	11-28	86	84
10-29	82	81	11-29	86	84
10-30	83	81	11-30	83	80
10-31	82	80			

TABLE A-1. (Contd.)

1985			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
12-1	83	80	1-2	86	84
12-2	82	79	1-3	85	83
12-3	82	81	1-4	84	84
12-4	84	80	1-5	85	82
12-5	84	81	1-6	84	82
12-6	85	81	1-7	86	85
12-7	86	80	1-8	84	82
12-8	86	82	1-9	85	81
12-9	82	80	1-10	84	82
12-10	82	80	1-11	85	83
12-11	79	77	1-12	85	84
12-12	82	77	1-13	84	83
12-13	83	78	1-14	84	82
12-14	84	80	1-15	83	81
12-15	85	81	1-16	84	82
12-16	85	82	1-17	84	82
12-17	85	82	1-18	85	83
12-18	85	83	1-19	85	84
12-19	86	84	1-20	86	85
12-20	87	85	1-21	85	82
12-21	87	84	1-22	85	81
12-22	85	85	1-23	85	83
12-23	85	84	1-24	85	81
12-24	86	84	1-25	84*	82
12-25	86	83	1-26	85	82
12-26	84	84	1-27	86	82
12-27	85	85	1-28	86	83
12-28	87	84	1-29	86	84
12-29	86	84	1-30	84	81
12-30	85	84	1-31	84	82
12-31	85	84	2-1	86	81
1986			2-2	85	81
1-1	85	83	2-3	88	81
			2-4	84	80
			2-5	84	80

TABLE A-1 (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
2-6	82	82	3-12	90	74
2-7	84	79	3-13	90	73
2-8	83	79	3-14	85	77
2-9	84	78	3-15	87	77
2-10	92	74	3-16	86	72
2-11	84	80	3-17	96	78
2-12	83	80	3-18	91	81
2-13	85	80	3-19	87	72
2-14	90	82	3-20	82	63
2-15	88	79	3-21	82	64
2-16	86	83	3-22	89	65
2-17	88	83	3-23	92	81
2-18	87	82	3-24	98	84
2-19	91	80	3-25	90	82
2-20	88	78	3-26	83	79
2-21	89	80	3-27	91	72
2-22	90	79	3-28	92	72
2-23	89	78	3-29	98	78
2-24	91	84	3-30	98	77
2-25	91	80	3-31	90	77
2-26	93	80	4-1	97	78
2-27	93	78	4-2	86	75
2-28	91	80	4-3	88	75
3-1	91	80	4-4	87	75
3-2	91	80	4-5	90	72
3-3	88	81	4-6	86	71
3-4	93	76	4-7	85	67
3-5	91	78	4-8	87	72
3-6	89	78	4-9	90	73
3-7	89	78	4-10	88	72
3-8	88	86	4-11	90	79
3-9	86	72	4-12	87	74
3-10	86	77	4-13	95	78
3-11	85	68	4-14	88	73
			4-15	88	79

TABLE A- contd

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
4-16	87	71	5-21	87	71
4-17	89	72	5-22	87	71
4-18	86	73	5-23	91	71
4-19	84	73	5-24	96	73
4-20	90	71	5-25	97	73
4-21	85	74	5-26	84	74
4-22	95	74	5-27	95	81
4-23	91	74	5-28	96	75
4-24	90	75	5-29	95	75
4-25	90	78	5-30	97	77
4-26	86	76	5-31	95	77
4-27	88	74	6-1	91	78
4-28	92	75	6-2	92	73
4-29	92	77	6-3	90	73
4-30	9	76	6-4	89	75
5-1	78	78	6-5	99	77
5-2	93	75	6-6	87	80
5-3	91	77	6-7	90	77
5-4	91	75	6-8	90	78
5-5	91	79	6-9	93	78
5-6	89	74	6-10	92	78
5-7	89	75	6-11	94	75
5-8	90	74	6-12	97	74
5-9	96	76	6-13	97	75
5-10	95	76	6-14	97	75
5-11	95	76	6-15	97	75
5-12	93	78	6-16	97	74
5-13	91	74	6-17	94	74
5-14	94	75	6-18	96	75
5-15	95	75	6-19	92	75
5-16	85	75	6-20	92	73
5-17	90	78	6-21	93	72
5-18	91	79	6-22	92	75
5-19	96	82	6-23	92	75
5-20	89	76	6-24	96	73

TABLE A-1. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
6-25	95	77	7-30	94	77
6-26	93	79	7-31	93	78
6-27	91	81			
6-28	88	85	8-1	94	75
6-29	92	84	8-2	93	77
6-30	88	76	8-3	94	75
			8-4	93	76
7-1	89	74	8-5	95	77
7-2	88	79			
7-3	93	76	8-6	94	77
7-4	86	76	8-7	94	78
7-5	91	76	8-8	93	78
			8-9	93	78
7-6	93	77	8-10	94	77
7-7	93	78			
7-8	90	79	8-11	91	77
7-9	88	79	8-12	96	77
7-10	90	78	8-13	93	80
			8-14	93	78
7-11	90	76	8-15	93	78
7-12	90	72			
7-13	90	76	8-16	92	76
7-14	88	77	8-17	92	76
7-15	89	75	8-18	88	77
			8-19	92	78
7-16	95	77	8-20	92	78
7-17	89	76			
7-18	89	76	8-21	92	76
7-19	87	72	8-22	94	75
7-20	89	76	8-23	93	78
			8-24	91	77
7-21	86	75	8-25	93	79
7-22	90	76			
7-23	90	73	8-26	90	77
7-24	99	75	8-27	88	78
7-25	89	75	8-28	89	75
			8-29	94	76
7-26	89	78	8-30	91	77
7-27	89	77	8-31	91	78
7-28	90	75			
7-29	92	75	9-1	94	79

TABLE A-1. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
9-2	93	81	9-17	85	71
9-3	93	80	9-18	84	71
9-4	95	80	9-19	86	69
9-5	93	77	9-20	86	76
9-6	89	77	9-21	85	69
9-7	90	81	9-22	85	69
9-8	91	79	9-23	85	71
9-9	88	81	9-24	85	72
9-10	85	75	9-25	83	71
9-11	84	71	9-26	83	73
9-12	84	68	9-27	85	73
9-13	84	71	9-28	84	70
9-14	83	69	9-29	85	72
9-15	84	68	9-30	85	74
9-16	82	70			

TABLE A-2. Coso Corrosion Array Site Steam Flow Data Unfactored.

The conversion factor for this table is 82.99.

1985			1985		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
10-1	66	63	11-1	62	59
10-2	64	61	11-2	60	55
10-3	62	56	11-3	61	54
10-4	64	57	11-4	63	59
10-5	66	61	11-5	62	59
10-6	74	68	11-6	58	52
10-7	76	72	11-7	63	53
10-8	74	72	11-8	70	62
10-9	68	67	11-9	71	67
10-10	65	59	11-10	68	61
10-11	64	57	11-11	68	63
10-12	68	58	11-12	64	47
10-13	64	61	11-13	54	47
10-14	64	62	11-14	52	46
10-15	64	62	11-15	54	41
10-16	67	61	11-16	60	48
10-17	64	62	11-17	63	56
10-18	61	57	11-18	58	41
10-19	67	56	11-19	51	40
10-20	68	61	11-20	59	45
10-21	71	60	11-21	62	54
10-22	63	57	11-22	62	54
10-23	61	52	11-23	62	54
10-24	62	54	11-24	61	58
10-25	63	58	11-25	62	58
10-26	65	60	11-26	56	40
10-27	64	60	11-27	63	50
10-28	64	58	11-28	69	65
10-29	63	56	11-29	74	56
10-30	69	59	11-30	60	54
10-31	67	65			

TABLE A-2. (Contd.)

1985			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
12-1	58	56	1-1	74	69
12-2	60	52	1-2	74	69
12-3	59	54	1-3	68	66
12-4	60	54	1-4	70	65
12-5	64	57	1-5	69	63
12-6	64	57	1-6	68	65
12-7	69	58	1-7	64	59
12-8	69	68	1-8	65	55
12-9	68	65	1-9	65	61
12-10	71	69	1-10	67	61
12-11	67	66	1-11	70	65
12-12	64	61	1-12	69	64
12-13	65	57	1-13	70	64
12-14	67	60	1-14	74	70
12-15	67	60	1-15	73	70
12-16	66	61	1-16	65	64
12-17	67	60	1-17	65	59
12-18	67	61	1-18	67	59
12-19	69	62	1-19	69	63
12-20	69	67	1-20	73	70
12-21	70	65	1-21	70	63
12-22	69	66	1-22	66	61
12-23	71	66	1-23	67	62
12-24	71	67	1-24	65	56
12-25	72	69	1-25	61	54
12-26	75	68	1-26	63	56
12-27	74	70	1-27	66	59
12-28	74	69	1-28	67	62
12-29	73	64	1-29	67	62
12-30	74	69	1-30	65	64
12-31	73	67	1-31	67	61
			2-1	63	56
			2-2	62	55
			2-3	67	49
			2-4	62	58

TABLE A-2. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
2-5	65	52	3-12	66	59
2-6	61	59	3-13	67	60
2-7	63	55	3-14	66	63
2-8	64	58	3-15	66	59
2-9	60	54	3-16	69	65
2-10	66	47	3-17	71	63
2-11	58	51	3-18	62	56
2-12	57	53	3-19	60	53
2-13	60	52	3-20	57	50
2-14	61	53	3-21	61	51
2-15	63	57	3-22	63	55
2-16	57	53	3-23	67	59
2-17	58	53	3-24	69	65
2-18	61	56	3-25	67	65
2-19	60	59	3-26	71	60
2-20	57	51	3-27	71	60
2-21	53	47	3-28	71	60
2-22	57	47	3-29	71	60
2-23	53	48	3-30	71	60
2-24	57	51	3-31	71	60
2-25	58	51	4-1	74	67
2-26	60	55	4-2	69	65
2-27	63	56	4-3	70	63
2-28	65	60	4-4	71	66
3-1	62	59	4-5	73	67
3-2	65	59	4-6	69	65
3-3	59	55	4-7	72	61
3-4	58	52	4-8	68	58
3-5	60	54	4-9	66	61
3-6	66	57	4-10	67	64
3-7	69	60	4-11	69	64
3-8	71	66	4-12	72	70
3-9	67	59	4-13	67	60
3-10	70	62	4-14	68	61
3-11	64	60	4-15	70	65

TABLE A-2. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
4-16	74	66	5-21	69	67
4-17	69	62	5-22	67	62
4-18	67	59	5-23	65	62
4-19	60	53	5-24	65	60
4-20	62	56	5-25	65	63
4-21	65	60	5-26	66	59
4-22	66	65	5-27	66	62
4-23	71	67	5-28	67	63
4-24	71	67	5-29	66	61
4-25	72	65	5-30	66	59
4-26	67	64	5-31	68	59
4-27	65	56	6-1	65	61
4-28	68	63	6-2	64	57
4-29	67	67	6-3	66	58
4-30	65	63	6-4	69	61
5-1	68	64	6-5	68	59
5-2	64	61	6-6	67	57
5-3	66	62	6-7	69	61
5-4	67	65	6-8	66	61
5-5	71	61	6-9	66	60
5-6	71	69	6-10	65	59
5-7	66	64	6-11	65	61
5-8	65	62	6-12	66	60
5-9	68	62	6-13	65	60
5-10	67	64	6-14	66	59
5-11	67	64	6-15	65	61
5-12	63	61	6-16	65	59
5-13	67	61	6-17	66	59
5-14	70	65	6-18	64	60
5-15	68	63	6-19	65	59
5-16	61	58	6-20	65	61
5-17	61	53	6-21	65	60
5-18	63	56	6-22	63	57
5-19	65	61	6-23	64	56
5-20	67	65	6-24	66	60

TABLE A-2. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
6-25	69	61	7-30	68	61
6-26	64	58	7-31	65	60
6-27	63	59			
6-28	63	58	8-1	64	58
6-29	65	64	8-2	64	58
6-30	67	63	8-3	67	58
			8-4	69	63
7-1	66	57	8-5	69	62
7-2	66	56			
7-3	68	62	8-6	68	63
7-4	68	65	8-7	67	59
7-5	66	63	8-8	67	57
			8-9	65	59
7-6	65	61	8-10	66	61
7-7	65	59			
7-8	64	60	8-11	66	59
7-9	65	60	8-12	69	62
7-10	67	61	8-13	69	62
			8-14	70	64
7-11	69	63	8-15	68	63
7-12	67	62			
7-13	63	58	8-16	63	62
7-14	62	57	8-17	62	59
7-15	66	63	8-18	61	59
			8-19	64	57
7-16	65	62	8-20	66	59
7-17	65	62			
7-18	66	63	8-21	65	58
7-19	64	61	8-22	66	60
7-20	63	59	8-23	65	59
			8-24	67	61
7-21	66	63	8-25	68	61
7-22	65	63			
7-23	67	63	8-26	66	59
7-24	65	62	8-27	64	61
7-25	67	61	8-28	67	58
			8-29	66	69
7-26	66	62	8-30	66	59
7-27	65	61	8-31	66	60
7-28	66	60			
7-29	66	62			

TABLE A-2. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
9-1	65	58	9-16	65	58
9-2	69	58	9-17	65	59
9-3	66	59	9-18	65	60
9-4	66	60	9-19	65	61
9-5	67	61	9-20	65	58
9-6	65	61	9-21	66	58
9-7	65	58	9-22	67	60
9-8	66	61	9-23	67	60
9-9	65	59	9-24	64	59
9-10	67	60	9-25	66	61
9-11	67	60	9-26	66	61
9-12	65	60	9-27	65	59
9-13	66	57	9-28	66	60
9-14	66	57	9-29	66	59
9-15	65	59	9-30	65	59

TABLE A-3. Two-Inch Well Steam Flow Data Unfactored.

The conversion factor for this table is 15.7.

No data available is indicated by ...

1985			1985		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
10-1	83	79	11-1	83	78
10-2	81	79	11-2	84	79
10-3	80	77	11-3	83	81
10-4	80	76	11-4	82	79
10-5	82	77	11-5	81	81
10-6	88	82	11-6	80	78
10-7	87	84	11-7	85	80
10-8	88	84	11-8	88	85
10-9	81	80	11-9	89	84
10-10	81	77	11-10	86	85
10-11	84	79	11-11	88	87
10-12	83	80	11-12	82	82
10-13	80	79	11-13	99	80
10-14	79	76	11-14	87	75
10-15	81	78	11-15	79	75
10-16	85	81	11-16	83	79
10-17	83	81	11-17	85	84
10-18	81	81	11-18	85	81
10-19	83	76	11-19	90	75
10-20	85	81	11-20	90	75
10-21	87	85	11-21	81	80
10-22	81	79	11-22	83	82
10-23	81	79	11-23	85	81
10-24	81	78	11-24	85	83
10-25	85	81	11-25	84	84
10-26	83	81	11-26	77	75
10-27	84	81	11-27	81	78
10-28	84	82	11-28	86	82
10-29	82	80	11-29	91	87
10-30	85	81	11-30	81	79
10-31	84	81			

TABLE A-3. (Contd.)

1985			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
12-1	82	79	1-1	82	77
12-2	82	80	1-2	83	77
12-3	81	78	1-3	82	78
12-4	77	75	1-4	81	77
12-5	80	79	1-5	81	78
12-6	80	78	1-6	82	77
12-7	83	79	1-7	79	75
12-8	84	81	1-8	81	78
12-9	82	78	1-9	79	75
12-10	82	82	1-10	78	76
12-11	94	79	1-11	79	76
12-12	93	63	1-12	79	77
12-13	99	60	1-13	80	77
12-14	74	58	1-14	78	73
12-15	90	58	1-15	79	78
12-16	86	83	1-16	80	77
12-17	81	61	1-17	79	75
12-18	82	71	1-18	81	76
12-19	84	71	1-19	81	76
12-20	82	73	1-20	77	73
12-21	81	78	1-21	81	79
12-22	80	77	1-22	82	79
12-23	78	76	1-23	84	80
12-24	80	76	1-24	82	80
12-25	82	80	1-25	82	80
12-26	83	78	1-26	82	81
12-27	82	78	1-27	78	77
12-28	80	70	1-28	79	77
12-29	80	77	1-29	79	77
12-30	81	77	1-30	79	76
12-31	81	77	1-31	79	76
			2-1	82	80
			2-2	81	79
			2-3	86	82
			2-4	82	80

TABLE A-3. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
2-5	85	79	3-12	85	82
2-6	83	81	3-13	84	83
2-7	79	75	3-14	82	79
2-8	85	82	3-15	83	80
2-9	80	59	3-16	85	83
2-10	81	78	3-17	83	80
2-11	82	81	3-18	79	76
2-12	83	79	3-19	77	74
2-13	85	81	3-20	78	73
2-14	84	83	3-21	79	74
2-15	83	80	3-22	80	76
2-16	81	80	3-23	81	76
2-17	81	80	3-24	84	79
2-18	82	80	3-25	80	77
2-19	82	81	3-26	81	76
2-20	82	80	3-27	82	77
2-21	78	75	3-28	82	78
2-22	80	76	3-29	81	78
2-23	82	79	3-30	81	78
2-24	82	79	3-31	78	77
2-25	79	77	4-1	86	80
2-26	79	78	4-2	81	80
2-27	81	78	4-3	84	81
2-28	83	80	4-4	84	81
3-1	83	79	4-5	83	82
3-2	83	80	4-6	80	79
3-3	78	75	4-7	78	77
3-4	80	76	4-8	80	78
3-5	79	77	4-9	80	78
3-6	83	78	4-10	84	81
3-7	85	79	4-11	84	81
3-8	86	84	4-12	86	84
3-9	83	79	4-13	80	76
3-10	87	85	4-14	80	78
3-11	82	80	4-15	83	80

TABLE A-3. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
6-25	83	79	7-30	...	...
6-26	80	80	7-31	28	11
6-27	81	77	8-1	30	12
6-28	81	79	8-2	31	8
6-29	79	77	8-3	40	8
6-30	80	78	8-4	36	9
7-1	62	57	8-5	35	9
7-2	63	57	8-6	30	9
7-3	65	59	8-7	35	8
7-4	64	58	8-8	41	13
7-5	66	60	8-9	38	11
7-6	65	62	8-10	31	16
7-7	68	63	8-11	37	10
7-8	70	67	8-12	37	10
7-9	72	69	8-13	36	9
7-10	73	68	8-14	37	10
7-11	74	69	8-15	34	8
7-12	74	72	8-16	29	9
7-13	73	70	8-17	38	4
7-14	...	...	8-18	26	9
7-15	...	...	8-19	36	12
7-16	...	...	8-20	33	12
7-17	...	...	8-21	29	10
7-18	...	...	8-22	32	10
7-19	...	...	8-23	27	11
7-20	...	...	8-24	20	1
7-21	...	...	8-25	29	9
7-22	...	...	8-26	37	9
7-23	...	...	8-27	35	12
7-24	...	...	8-28	26	12
7-25	...	...	8-29	33	6
7-26	...	...	8-30	26	2
7-27	...	...	8-31	22	6
7-28	...	...	
7-29	...	...	

TABLE A-3. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
4-16	83	81	5-21	86	83
4-17	82	78	5-22	82	79
4-18	78	75	5-23	83	80
4-19	77	75	5-24	80	79
4-20	80	76	5-25	81	79
4-21	83	80	5-26	82	80
4-22	85	81	5-27	84	81
4-23	86	83	5-28	85	81
4-24	84	82	5-29	84	82
4-25	86	81	5-30	82	81
4-26	80	80	5-31	84	81
4-27	79	75	6-1	82	75
4-28	85	81	6-2	83	81
4-29	84	81	6-3	83	79
4-30	81	77	6-4	82	80
5-1	81	78	6-5	83	81
5-2	81	79	6-6	81	79
5-3	84	79	6-7	82	80
5-4	81	80	6-8	81	79
5-5	86	81	6-9	81	78
5-6	88	83	6-10	80	78
5-7	80	76	6-11	80	78
5-8	83	80	6-12	82	80
5-9	79	77	6-13	81	78
5-10	78	76	6-14	82	79
5-11	82	78	6-15	83	81
5-12	81	77	6-16	80	79
5-13	81	79	6-17	82	79
5-14	86	81	6-18	83	78
5-15	85	81	6-19	82	79
5-16	81	78	6-20	83	80
5-17	84	81	6-21	81	79
5-18	83	79	6-22	81	78
5-19	84	81	6-23	82	78
5-20	85	82	6-24	83	78

TABLE A-3. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
9-1	27	10	9-16	32	6
9-2	80	75	9-17	23	9
9-3	82	76	9-18	22	13
9-4	83	78	9-19	37	16
9-5	83	79	9-20	22	6
9-6	81	77	9-21	27	9
9-7	79	77	9-22	25	11
9-8	78	76	9-23	30	12
9-9	26	6	9-24	33	15
9-10	23	9	9-25	26	10
9-11	26	8	9-26	19	11
9-12	40	12	9-27	19	4
9-13	28	10	9-28	21	11
9-14	23	12	9-29	22	6
9-15	23	7	9-30	33	18

TABLE A-4. Eight-Inch Well Steam Flow Data, Unfactored.

The conversion factor for this table is 20.56.
No data available is indicated by ...

1985			1985		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
10-1	90	61	11-1	100	98
10-2	89	60	11-2	100	80
10-3	89	48	11-3	99	41
10-4	83	54	11-4	61	26
10-5	85	54	11-5	59	10
10-6	95	65	11-6	54	7
10-7	98	68	11-7	62	14
10-8	100	71	11-8	75	9
10-9	94	78	11-9	44	7
10-10	97	67	11-10	64	8
10-11	94	68	11-11	57	10
10-12	91	61	11-12	51	9
10-13	92	56	11-13	53	17
10-14	89	65	11-14	85	33
10-15	97	76	11-15	100	39
10-16	97	55	11-16	75	50
10-17	93	61	11-17	63	9
10-18	94	55	11-18	62	3
10-19	87	61	11-19	68	8
10-20	87	66	11-20	83	2
10-21	97	72	11-21	50	12
10-22	99	80	11-22	57	3
10-23	99	83	11-23	61	5
10-24	100	83	11-24	62	9
10-25	100	99	11-25	66	7
10-26	100	99	11-26	70	8
10-27	100	99	11-27	99	69
10-28	99	73	11-28	88	23
10-29	99	91	11-29	76	13
10-30	100	94	11-30	68	11
10-31	99	94			

TABLE A-4. (Contd.)

1985			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
12-1	99	57	1-1	81	42
12-2	52	11	1-2	81	55
12-3	80	12	1-3	81	44
12-4	88	63	1-4	57	46
12-5	87	52	1-5	81	45
12-6	72	14	1-6	68	21
12-7	77	22	1-7	75	24
12-8	76	23	1-8	75	22
12-9	75	44	1-9	76	36
12-10	60	53	1-10	78	50
12-11	73	32	1-11	80	50
12-12	66	12	1-12	78	46
12-13	70	17	1-13	87	57
12-14	71	31	1-14	54	28
12-15	75	40	1-15	70	32
12-16	69	43	1-16	72	30
12-17	72	11	1-17	98	25
12-18	75	18	1-18	98	74
12-19	77	13	1-19	99	97
12-20	74	65	1-20	97	89
12-21	78	38	1-21	99	75
12-22	72	35	1-22	75	36
12-23	84	55	1-23	77	39
12-24	77	16	1-24	70	29
12-25	77	16	1-25	67	28
12-26	73	40	1-26	81	21
12-27	83	33	1-27	96	45
12-28	78	51	1-28	80	15
12-29	75	50	1-29	76	30
12-30	71	11	1-30	60	37
12-31	82	42	1-31	60	9
			2-1	52	10
			2-2	60	13
			2-3	73	46
			2-4	57	6

TABLE A-4. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
2-5	63	3	3-12	97	26
2-6	43	8	3-13	93	47
2-7	50	14	3-14	99	38
2-8	53	20	3-15	99	34
2-9	51	12	3-16	79	41
2-10	52	12	3-17	85	30
2-11	63	10	3-18	99	23
2-12	49	10	3-19	80	35
2-13	60	11	3-20	99	34
2-14	50	9	3-21	98	37
2-15	45	3	3-22	98	20
2-16	46	19	3-23	99	18
2-17	62	7	3-24	100	11
2-18	65	19	3-25	85	60
2-19	71	19	3-26	84	13
2-20	65	19	3-27	98	15
2-21	66	10	3-28	95	16
2-22	94	68	3-29	94	15
2-23	75	36	3-30	96	24
2-24	72	57	3-31	94	22
2-25	65	57	4-1	85	18
2-26	64	57	4-2	98	32
2-27	63	54	4-3	99	44
2-28	63	55	4-4	99	43
3-1	98	11	4-5	99	54
3-2	90	14	4-6	97	30
3-3	94	40	4-7	99	32
3-4	98	51	4-8	98	29
3-5	62	25	4-9	95	19
3-6	99	51	4-10	98	19
3-7	85	49	4-11	96	10
3-8	87	42	4-12	94	7
3-9	89	34	4-13	97	11
3-10	89	46	4-14	99	7
3-11	95	41	4-15	98	16

TABLE A-4. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
4-16	97	22	5-21	32	16
4-17	84	20	5-22	57	23
4-18	97	16	5-23	48	12
4-19	82	22	5-24	45	6
4-20	98	11	5-25	73	12
4-21	97	15	5-26	68	15
4-22	97	16	5-27	98	24
4-23	95	13	5-28	97	11
4-24	90	15	5-29	97	19
4-25	89	15	5-30	97	19
4-26	93	11	5-31	92	22
4-27	98	16	6-1	94	10
4-28	98	13	6-2	94	14
4-29	86	13	6-3	97	17
4-30	83	16	6-4	93	13
5-1	93	16	6-5	82	10
5-2	93	15	6-6	85	23
5-3	69	10	6-7	89	24
5-4	58	12	6-8	85	19
5-5	60	17	6-9	73	17
5-6	38	15	6-10	95	35
5-7	52	15	6-11	88	20
5-8	52	12	6-12	86	9
5-9	43	12	6-13	95	7
5-10	64	10	6-14	88	29
5-11	76	14	6-15	80	22
5-12	69	17	6-16	99	69
5-13	71	12	6-17	94	21
5-14	65	11	6-18	92	25
5-15	61	15	6-19	87	27
5-16	49	11	6-20	97	17
5-17	52	15	6-21	99	14
5-18	47	15	6-22	99	19
5-19	42	15	6-23	98	15
5-20	62	16	6-24	89	20

TABLE A-4. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
6-25	86	19	7-30	81	15
6-26	98	12	7-31	82	16
6-27	99	63			
6-28	99	68	8-1	52	13
6-29	99	83	8-2	43	14
6-30	99	94	8-3	50	12
			8-4	24	8
7-1	100	44	8-5	39	12
7-2	100	96			
7-3	97	83	8-6	35	10
7-4	98	60	8-7	32	7
7-5	74	23	8-8	43	10
			8-9	44	8
7-6	98	17	8-10	22	8
7-7	98	65			
7-8	98	68	8-11	31	11
7-9	98	67	8-12	30	12
7-10	96	65	8-13	31	14
			8-14	32	16
7-11	97	68	8-15	33	15
7-12	93	63			
7-13	91	65	8-16	34	13
7-14	84	15	8-17	37	18
7-15	93	12	8-18	32	12
			8-19	38	12
7-16	98	20	8-20	43	10
7-17	99	27			
7-18	99	24	8-21	34	14
7-19	98	17	8-22	31	14
7-20	95	15	8-23	36	12
			8-24	36	16
7-21	95	15	8-25	35	18
7-22	82	21			
7-23	99	22	8-26	31	11
7-24	99	25	8-27	37	17
7-25	99	16	8-28	...	...
			through		
7-26	98	14	9-30	...	..
7-27	95	8			
7-28	98	15			
7-29	92	12			

TABLE A-5. Schober's 1 Resort Steam Flow Data, Unfactored.

The conversion factor for this table is .5265..

1985			1985		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
10-1	86	77	11-1	79	74
10-2	84	80	11-2	79	70
10-3	84	77	11-3	81	72
10-4	84	80	11-4	82	72
10-5	88	80	11-5	80	65
10-6	92	85	11-6	79	71
10-7	91	81	11-7	84	71
10-8	89	80	11-8	90	76
10-9	80	76	11-9	86	79
10-10	83	73	11-10	81	72
10-11	84	73	11-11	80	69
10-12	86	73	11-12	76	66
10-13	84	76	11-13	77	59
10-14	82	74	11-14	77	62
10-15	83	82	11-15	82	65
10-16	86	77	11-16	84	70
10-17	84	74	11-17	85	70
10-18	82	73	11-18	80	69
10-19	85	74	11-19	77	59
10-20	86	77	11-20	84	64
10-21	85	76	11-21	83	69
10-22	81	67	11-22	86	69
10-23	81	70	11-23	87	72
10-24	82	72	11-24	82	76
10-25	83	74	11-25	80	69
10-26	83	75	11-26	81	68
10-27	83	73	11-27	82	64
10-28	81	75	11-28	89	75
10-29	79	71	11-29	78	77
10-30	83	72	11-30	81	67
10-31	80	74			

TABLE A-5. (Contd.)

1985			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
12-1	81	70	1-1	85	69
12-2	74	69	1-2	84	72
12-3	78	68	1-3	78	74
12-4	79	64	1-4	83	76
12-5	80	72	1-5	83	75
12-6	84	69	1-6	83	74
12-7	86	70	1-7	80	71
12-8	81	70	1-8	82	64
12-9	82	75	1-9	84	67
12-10	73	71	1-10	84	69
12-11	71	63	1-11	86	71
12-12	74	58	1-12	87	70
12-13	77	60	1-13	88	72
12-14	83	64	1-14	83	77
12-15	82	67	1-15	86	65
12-16	82	70	1-16	81	68
12-17	81	67	1-17	83	69
12-18	81	68	1-18	86	70
12-19	80	69	1-19	89	75
12-20	84	68	1-20	88	77
12-21	85	75	1-21	84	75
12-22	85	76	1-22	84	71
12-23	84	71	1-23	88	73
12-24	84	71	1-24	85	72
12-25	87	72	1-25	84	69
12-26	84	71	1-26	86	70
12-27	84	69	1-27	89	70
12-28	83	76	1-28	88	75
12-29	85	70	1-29	84	75
12-30	84	73	1-30	82	78
12-31	84	69	1-31	87	79
			2-1	98	86
			2-2	84	69
			2-3	86	59
			2-4	82	71

TABLE A-5. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
2-5	89	67	3-12	73	22
2-6	78	69	3-13	66	59
2-7	82	64	3-14	63	55
2-8	81	69	3-15	63	55
2-9	82	65	3-16	66	60
2-10	82	71	3-17	60	53
2-11	82	65	3-18	58	50
2-12	81	72	3-19	61	46
2-13	77	70	3-20	62	50
2-14	88	69	3-21	64	50
2-15	83	71	3-22	70	54
2-16	84	67	3-23	66	57
2-17	81	64	3-24	69	58
2-18	86	70	3-25	68	59
2-19	87	72	3-26	70	55
2-20	90	51	3-27	73	57
2-21	90	57	3-28	80	61
2-22	89	31	3-29	80	61
2-23	92	34	3-30	78	61
2-24	86	57	3-31	68	61
2-25	86	56	4-1	73	62
2-26	84	55	4-2	65	60
2-27	85	55	4-3	67	57
2-28	83	56	4-4	70	60
3-1	85	55	4-5	70	62
3-2	85	56	4-6	62	55
3-3	75	55	4-7	64	51
3-4	79	22	4-8	61	49
3-5	81	22	4-9	64	50
3-6	77	22	4-10	68	56
3-7	80	24	4-11	69	54
3-8	80	64	4-12	66	28
3-9	73	34	4-13	58	44
3-10	71	47	4-14	62	50
3-11	74	22	4-15	76	48

TABLE A-5. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
4-16	65	51	5-21	72	64
4-17	62	45	5-22	65	56
4-18	58	44	5-23	72	62
4-19	64	37	5-24	80	58
4-20	74	46	5-25	82	58
4-21	82	47	5-26	82	63
4-22	79	55	5-27	81	67
4-23	77	43	5-28	81	60
4-24	74	42	5-29	80	62
4-25	77	42	5-30	81	59
4-26	71	30	5-31	78	61
4-27	75	22	6-1	80	61
4-28	86	58	6-2	81	67
4-29	85	42	6-3	80	59
4-30	78	20	6-4	76	61
5-1	77	21	6-5	75	60
5-2	81	20	6-6	72	59
5-3	80	36	6-7	76	63
5-4	73	37	6-8	72	58
5-5	73	47	6-9	79	59
5-6	65	52	6-10	62	59
5-7	60	52	6-11	79	60
5-8	63	51	6-12	77	59
5-9	69	50	6-13	80	62
5-10	68	54	6-14	79	60
5-11	72	55	6-15	80	62
5-12	75	53	6-16	80	62
5-13	79	58	6-17	82	57
5-14	79	62	6-18	82	63
5-15	79	62	6-19	81	63
5-16	80	58	6-20	79	62
5-17	78	53	6-21	83	62
5-18	82	58	6-22	80	61
5-19	82	63	6-23	78	61
5-20	82	64	6-24	81	65

TABLE A-5. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
6-25	80	64	7-30	84	60
6-26	81	62	7-31	84	61
6-27	77	61	8-1	84	62
6-28	75	63	8-2	84	59
6-29	80	62	8-3	84	62
6-30	75	61	8-4	86	63
7-1	80	55	8-5	84	67
7-2	79	57	8-6	83	64
7-3	82	58	8-7	84	62
7-4	80	66	8-8	87	69
7-5	71	57	8-9	88	68
7-6	70	53	8-10	85	67
7-7	68	55	8-11	85	64
7-8	70	54	8-12	83	68
7-9	75	55	8-13	83	63
7-10	72	57	8-14	84	63
7-11	83	61	8-15	84	57
7-12	80	57	8-16	81	59
7-13	81	54	8-17	81	57
7-14	79	55	8-18	66	56
7-15	75	58	8-19	75	57
7-16	75	59	8-20	80	62
7-17	71	58	8-21	81	62
7-18	69	51	8-22	74	61
7-19	79	47	8-23	71	59
7-20	81	58	8-24	78	55
7-21	78	57	8-25	82	60
7-22	68	53	8-26	82	66
7-23	69	54	8-27	78	60
7-24	67	55	8-28	79	62
7-25	70	59	8-29	82	65
7-26	72	61	8-30	79	62
7-27	74	60	8-31	79	63
7-28	73	57	9-1	81	63
7-29	79	58			

TABLE A-5. (Contd.)

1986			1986		
Date	Graph units		Date	Graph units	
	High	Low		High	Low
9-2	78	66	9-18	69	63
9-3	81	60	9-19	69	61
9-4	83	60	9-20	68	52
9-5	84	60			
			9-21	69	55
9-6	84	63	9-22	71	58
9-7	83	63	9-23	73	60
9-8	76	61	9-24	73	66
9-9	80	59	9-25	64	62
9-10	68	55			
			9-26	65	55
9-11	70	56	9-27	66	57
9-12	73	64	9-28	65	56
9-13	70	60	9-29	65	53
9-14	68	57	9-30	70	58
9-15	68	58			
9-16	66	58			
9-17	68	60			

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Appendix B

DAILY STEAM WELL TEMPERATURE DATA

TABLE B-1. Coso 2 Steam Temperature, °F

1985			1985		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
10-1	184	160	11-3	200	183
10-2	183	161	11-4	194	179
10-3	183	161	11-5	191	181
10-4	185	162	11-6	196	185
10-5	184	160	11-7	195	178
10-6	183	161	11-8	183	169
10-7	185	164	11-9	183	163
10-8	189	160	11-10	184	159
10-9	173	154	11-11	182	156
10-10	185	165	11-12	192	171
10-11	199	178	11-13	198	193
10-12	197	171	11-14	196	184
10-13	191	173	11-15	198	192
10-14	187	178	11-16	196	173
10-15	184	167	11-17	181	162
10-16	183	167	11-18	185	163
10-17	185	174	11-19	195	163
10-18	204	181	11-20	194	182
10-19	198	174	11-21	193	170
10-20	187	174	11-22	188	180
10-21	187	163	11-23	192	167
10-22	193	179	11-24	184	168
10-23	201	187	11-25	182	163
10-24	198	186	11-26	197	183
10-25	202	174	11-27	195	186
10-26	182	172	11-28	179	158
10-27	201	178	11-29	191	159
10-28	192	174	11-30	200	181
10-29	198	179	12-1	193	178
10-30	188	168	12-2	182	168
10-31	179	156	12-3	191	174
11-1	189	161	12-4	190	182
11-2	199	189	12-5	196	183

TABLE B-1. (Contd.)

1985			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
12-6	203	188	1-7	210	199
12-7	194	160	1-8	192	191
12-8	185	168	1-9	206	191
12-9	181	161	1-10	195	194
12-10	178	171	1-11	198	195
12-11	184	152	1-12	191	175
12-12	184	169	1-13	188	177
12-13	193	186	1-14	198	181
12-14	199	191	1-15	207	196
12-15	196	184	1-16	194	190
12-16	189	180	1-17	201	191
12-17	197	176	1-18	200	188
12-18	207	187	1-19	221	191
12-19	202	188	1-20	211	198
12-20	202	167	1-21	198	181
12-21	191	173	1-22	191	179
12-22	194	172	1-23	189	178
12-23	195	168	1-24	191	172
12-24	204	165	1-25	189	176
12-25	208	167	1-26	195	176
12-26	207	173	1-27	212	197
12-27	195	178	1-28	216	194
12-28	200	169	1-29	210	192
12-29	200	170	1-30	217	206
12-30	202	172	1-31	211	196
12-31	199	171	2-1	192	178
1986			2-2	192	174
1-1	201	175	2-3	184	163
1-2	203	173	2-4	170	154
1-3	205	177	2-5	179	176
1-4	204	176	2-6	176	154
1-5	202	179	2-7	189	174
1-6	205	188	2-8	182	153
			2-9	177	162
			2-10	185	170

TABLE B-1. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
2-11	188	173	3-17	188	172
2-12	182	168	3-18	199	180
2-13	190	170	3-19	200	179
2-14	177	162	3-20	206	190
2-15	179	160	3-21	203	189
2-16	188	172	3-22	201	183
2-17	177	165	3-23	192	191
2-18	183	168	3-24	201	191
2-19	176	165	3-25	196	189
2-20	188	178	3-26	200	193
2-21	181	169	3-27	201	190
2-22	194	175	3-28	200	181
2-23	183	175	3-29	197	183
2-24	203	191	3-30	201	191
2-25	200	190	3-31	190	171
2-26	191	181	4-1	188	167
2-27	194	181	4-2	184	150
2-28	191	184	4-3	197	175
3-1	182	170	4-4	194	173
3-2	186	161	4-5	186	179
3-3	193	179	4-6	192	177
3-4	194	181	4-7	194	174
3-5	199	187	4-8	203	192
3-6	199	187	4-9	196	195
3-7	192	173	4-10	197	178
3-8	183	164	4-11	203	184
3-9	196	177	4-12	177	162
3-10	183	162	4-13	196	177
3-11	190	179	4-14	194	186
3-12	183	169	4-15	183	160
3-13	184	166	4-16	189	169
3-14	183	161	4-17	196	186
3-15	188	164	4-18	190	177
3-16	176	164	4-19	197	187
			4-20	199	187

TABLE B-1. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
4-21	188	182	5-26	200	180
4-22	189	173	5-27	193	178
4-23	184	173	5-28	194	180
4-24	188	172	5-29	202	185
4-25	183	169	5-30	190	180
			5-31	201	177
4-26	200	179			
4-27	198	189	6-1	186	165
4-28	180	175	6-2	192	176
4-29	192	174	6-3	196	180
4-30	193	179	6-4	199	178
			6-5	197	175
5-1	196	176			
5-2	197	174	6-6	202	180
5-3	196	166	6-7	199	186
5-4	192	166	6-8	190	175
5-5	182	165	6-9	199	184
			6-10	194	190
5-6	188	163			
5-7	201	174	6-11	204	192
5-8	194	171	6-12	200	181
5-9	193	186	6-13	194	191
5-10	182	177	6-14	201	185
			6-15	197	176
5-11	190	175			
5-12	199	190	6-16	203	197
5-13	192	176	6-17	200	196
5-14	200	178	6-18	204	187
5-15	200	173	6-19	195	176
			6-20	194	177
5-16	200	190			
5-17	197	179	6-21	196	180
5-18	192	190	6-22	204	187
5-19	197	177	6-23	196	176
5-20	196	184	6-24	194	177
			6-25	197	177
5-21	184	166			
5-22	197	181	6-26	194	177
5-23	197	174	6-27	189	177
5-24	197	177	6-28	194	175
5-25	200	184	6-29	187	174

TABLE B-1. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
6-30	181	171	8-3	206	190
7-1	157	156	8-4	200	191
7-2	170	155	8-5	199	180
7-3	170	155	8-6	188	176
7-4	172	157	8-7	205	192
7-5	173	159	8-8	192	175
7-6	177	160	8-9	198	186
7-7	179	162	8-10	197	182
7-8	180	164	8-11	189	181
7-9	198	178	8-12	190	180
7-10	194	182	8-13	192	179
7-11	186	177	8-14	191	181
7-12	201	185	8-15	194	179
7-13	195	182	8-16	195	180
7-14	194	182	8-17	189	177
7-15	207	191	8-18	200	187
7-16	197	186	8-19	202	179
7-17	199	177	8-20	201	180
7-18	204	171	8-21	202	177
7-19	198	183	8-22	198	167
7-20	195	181	8-23	196	179
7-21	199	190	8-24	196	178
7-22	207	190	8-25	193	174
7-23	195	180	8-26	201	182
7-24	206	192	8-27	202	180
7-25	196	181	8-28	209	183
7-26	195	175	8-29	201	179
7-27	193	169	8-30	188	168
7-28	198	194	8-31	197	178
7-29	198	190	9-1	197	178
7-30	199	191	9-2	196	177
7-31	203	187	9-3	195	176
8-1	204	190	9-4	194	175
8-2	202	185	9-5	197	176

TABLE B-1. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
9-6	193	172	9-19	184	171
9-7	197	176	9-20	196	180
9-8	192	172	9-21	191	175
9-9	183	169	9-22	188	172
9-10	196	169	9-23	195	177
9-11	198	192	9-24	175	167
9-12	187	171	9-25	182	156
9-13	198	179	9-26	201	181
9-14	200	178	9-27	190	172
9-15	195	170	9-28	186	165
9-16	194	175	9-29	193	165
9-17	192	164	9-30	195	176
9-18	187	169			

TABLE B-2. Schobers 2 Resort Steam Temperature, °F.

1985			1985		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
10-1	200	194	11-1	199	198
10-2	200	196	11-2	200	196
10-3	201	196	11-3	197	192
10-4	203	198	11-4	201	196
10-5	204	197	11-5	201	193
10-6	200	197	11-6	201	196
10-7	197	193	11-7	199	194
10-8	197	196	11-8	200	197
10-9	194	192	11-9	197	193
10-10	197	195	11-10	198	194
10-11	200	196	11-11	196	194
10-12	199	197	11-12	192	190
10-13	198	197	11-13	195	194
10-14	196	195	11-14	195	193
10-15	197	195	11-15	198	192
10-16	196	194	11-16	195	191
10-17	199	197	11-17	196	192
10-18	197	195	11-18	196	193
10-19	200	198	11-19	196	194
10-20	198	196	11-20	197	194
10-21	200	193	11-21	197	193
10-22	195	190	11-22	200	196
10-23	195	191	11-23	199	196
10-24	199	196	11-24	195	193
10-25	199	196	11-25	196	189
10-26	200	198	11-26	197	192
10-27	203	198	11-27	196	191
10-28	198	196	11-28	197	193
10-29	199	188	11-29	193	192
10-30	202	195	11-30	204	192
10-31	199	197	12-1	197	192
			12-2	195	188
			12-3	192	191

TABLE B-2. (Contd.)

1985			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
12-4	198	194	1-5	198	192
12-5	198	195	1-6	199	193
12-6	198	190	1-7	196	190
12-7	198	196	1-8	199	193
12-8	194	193	1-9	201	193
12-9	197	189	1-10	197	196
12-10	192	191	1-11	199	190
12-11	192	187	1-12	194	194
12-12	193	188	1-13	198	190
12-13	199	193	1-14	194	189
12-14	197	193	1-15	194	191
12-15	197	192	1-16	193	191
12-16	199	193	1-17	192	191
12-17	199	198	1-18	196	194
12-18	196	195	1-19	202	194
12-19	197	196	1-20	195	192
12-20	196	195	1-21	197	192
12-21	197	195	1-22	197	196
12-22	198	193	1-23	198	195
12-23	201	193	1-24	194	192
12-24	197	195	1-25	194	194
12-25	202	197	1-26	200	191
12-26	200	196	1-27	198	192
12-27	197	194	1-28	197	191
12-28	198	195	1-29	197	196
12-29	200	193	1-30	193	191
12-30	197	195	1-31	193	193
12-31	196	194	2-1	197	193
1986			2-2	197	193
1-1	196	195	2-3	194	188
1-2	197	191	2-4	193	192
1-3	194	192	2-5	193	190
1-4	196	191	2-6	191	186
			2-7	192	189

TABLE B-2. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
2-8	194	187	3-15	60	36
2-9	195	185	3-16	50	32
2-10	194	186	3-17	174	59
2-11	189	186	3-18	72	60
2-12	190	190	3-19	92	48
2-13	193	189	3-20	88	35
2-14	195	183	3-21	86	25
2-15	189	184	3-22	94	51
2-16	189	184	3-23	83	53
2-17	184	183	3-24	86	53
2-18	189	179	3-25	78	39
2-19	184	183	3-26	92	58
2-20	186	184	3-27	93	47
2-21	191	186	3-28	90	51
2-22	192	178	3-29	97	59
2-23	199	189	3-30	112	66
2-24	197	184	3-31	98	50
2-25	191	181	4-1	98	72
2-26	189	185	4-2	89	34
2-27	195	186	4-3	86	36
2-28	194	189	4-4	82	56
3-1	189	188	4-5	95	58
3-2	189	181	4-6	72	49
3-3	188	169	4-7	72	41
3-4	192	189	4-8	196	194
3-5	193	188	4-9	198	197
3-6	190	184	4-10	198	193
3-7	187	187	4-11	194	191
3-8	186	140	4-12	197	187
3-9	144	94	4-13	196	193
3-10	0	86	4-14	196	195
3-11	124	84	4-15	197	195
3-12	89	39	4-16	198	196
3-13	78	35	4-17	196	195
3-14	72	41			

TABLE B-2. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
4-18	197	196	5-22	200	197
4-19	196	195	5-23	198	193
4-20	198	197	5-24	190	190
4-21	198	197	5-25	197	193
4-22	198	193	5-26	190	189
4-23	198	194	5-27	198	192
4-24	196	192	5-28	197	192
4-25	199	194	5-29	196	192
4-26	195	194	5-30	197	188
4-27	196	193	5-31	194	191
4-28	199	192	6-1	195	194
4-29	203	200	6-2	200	194
4-30	199	197	6-3	194	193
5-1	199	196	6-4	196	193
5-2	197	194	6-5	198	193
5-3	196	195	6-6	195	186
5-4	196	193	6-7	203	191
5-5	196	194	6-8	202	194
5-6	199	193	6-9	199	191
5-7	201	195	6-10	197	192
5-8	200	195	6-11	196	193
5-9	200	194	6-12	194	191
5-10	204	200	6-13	196	193
5-11	202	200	6-14	197	192
5-12	198	198	6-15	199	193
5-13	197	196	6-16	194	193
5-14	198	195	6-17	196	192
5-15	195	194	6-18	193	191
5-16	200	194	6-19	191	190
5-17	202	196	6-20	189	188
5-18	201	196	6-21	192	188
5-19	199	193	6-22	155	146
5-20	203	195	6-23	140	75
5-21	198	197	6-24	182	70
			6-25	196	100

TABLE B-2. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
6-26	196	195	7-31	198	197
6-27	195	194	8-1	196	196
6-28	179	106	8-2	196	192
6-29	191	79	8-3	197	197
6-30	186	115	8-4	196	194
7-1	201	82	8-5	195	195
7-2	207	106	8-6	196	193
7-3	201	196	8-7	195	193
7-4	200	199	8-8	195	192
7-5	199	199	8-9	189	103
7-6	195	192	8-10	160	74
7-7	193	191	8-11	162	73
7-8	191	190	8-12	198	83
7-9	198	192	8-13	198	83
7-10	203	196	8-14	199	198
7-11	198	197	8-15	200	200
7-12	199	198	8-16	199	199
7-13	198	196	8-17	198	197
7-14	199	195	8-18	198	195
7-15	196	195	8-19	198	198
7-16	201	197	8-20	199	198
7-17	202	199	8-21	199	196
7-18	201	198	8-22	200	193
7-19	202	195	8-23	194	194
7-20	199	191	8-24	194	192
7-21	198	176	8-25	198	194
7-22	198	176	8-26	195	193
7-23	197	196	8-27	199	193
7-24	202	192	8-28	196	194
7-25	194	193	8-29	200	196
7-26	196	191	8-30	197	195
7-27	194	192	8-31	201	195
7-28	196	193	9-1	201	197
7-29	198	196	9-2	200	199
7-30	199	192			

TABLE B-2. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
9-3	201	195	9-17	192	191
9-4	205	203	9-18	197	191
9-5	202	197	9-19	192	191
9-6	197	196	9-20	195	189
9-7	193	192	9-21	197	196
9-8	194	193	9-22	199	196
9-9	199	192	9-23	194	193
9-10	200	195	9-24	193	189
9-11	201	199	9-25	194	191
9-12	200	195	9-26	193	191
9-13	197	196	9-27	192	188
9-14	196	195	9-28	196	183
9-15	197	195	9-29	...	...
9-16	198	192	9-30	...	...

TABLE B-3. Schobers 2 Resort Ambient Temperature, °F.

1985			1985		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
10-1	84	47	11-1	80	53
10-2	91	65	11-2	81	41
10-3	102	61	11-3	81	42
10-4	103	70	11-4	83	45
10-5	96	67	11-5	82	46
10-6	92	67	11-6	83	48
10-7	82	48	11-7	84	47
10-8	73	55	11-8	83	50
10-9	66	47	11-9	82	48
10-10	74	49	11-10	83	50
10-11	78	49	11-11	83	51
10-12	85	50	11-12	83	52
10-13	74	56	11-13	80	44
10-14	73	56	11-14	77	38
10-15	74	55	11-15	69	45
10-16	83	74	11-16	76	33
10-17	81	66	11-17	97	40
10-18	84	52	11-18	96	49
10-19	83	50	11-19	53	47
10-20	83	54	11-20	57	55
10-21	78	56	11-21	70	58
10-22	63	43	11-22	66	57
10-23	67	48	11-23	63	43
10-24	82	51	11-24	50	46
10-25	83	50	11-25	49	41
10-26	88	53	11-26	70	42
10-27	87	51	11-27	74	37
10-28	91	59	11-28	74	50
10-29	75	52	11-29	57	47
10-30	76	58	11-30	70	42
10-31	71	53	12-1	74	38
			12-2	48	39
			12-3	64	42

TABLE B-3. (Contd.)

1985			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
12-4	71	35	1-5	88	40
12-5	71	50	1-6	75	40
12-6	67	51	1-7	56	44
12-7	76	39	1-8	60	36
12-8	72	55	1-9	63	34
12-9	80	45	1-10	74	36
12-10	66	41	1-11	81	31
12-11	57	32	1-12	75	38
12-12	64	35	1-13	73	35
12-13	72	30	1-14	59	46
12-14	80	36	1-15	65	32
12-15	59	35	1-16	60	39
12-16	81	36	1-17	69	38
12-17	74	40	1-18	74	39
12-18	81	41	1-19	69	49
12-19	86	39	1-20	63	42
12-20	89	38	1-21	60	45
12-21	88	52	1-22	63	36
12-22	86	30	1-23	71	41
12-23	92	37	1-24	63	41
12-24	93	37	1-25	68	43
12-25	78	40	1-26	65	38
12-26	82	52	1-27	71	41
12-27	53	47	1-28	70	28
12-28	53	37	1-29	62	34
12-29	87	47	1-30	53	46
12-30	71	47	1-31	54	47
12-31	79	40	2-1	57	43
1986			2-2	67	42
1-1	71	47	2-3	69	29
1-2	82	44	2-4	64	45
1-3	61	37	2-5	60	35
1-4	70	52	2-6	52	33
			2-7	51	32

TABLE B-3. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
2-8	54	27	3-15	49	23
2-9	56	22	3-16	54	17
2-10	49	30	3-17	61	43
2-11	59	28	3-18	81	54
2-12	55	33	3-19	70	46
2-13	64	44	3-20	68	38
2-14	61	54	3-21	76	41
2-15	59	53	3-22	85	48
2-16	62	44	3-23	68	49
2-17	76	43	3-24	81	48
2-18	71	47	3-25	84	49
2-19	87	59	3-26	79	54
2-20	64	49	3-27	83	48
2-21	93	65	3-28	82	45
2-22	91	50	3-29	84	49
2-23	85	52	3-30	87	67
2-24	79	61	3-31	82	49
2-25	78	48	4-1	70	47
2-26	83	52	4-2	79	48
2-27	83	58	4-3	71	49
2-28	85	37	4-4	71	46
3-1	82	54	4-5	75	51
3-2	69	45	4-6	58	46
3-3	75	41	4-7	68	42
3-4	79	49	4-8	79	38
3-5	80	43	4-9	80	45
3-6	78	49	4-10	80	54
3-7	83	55	4-11	76	46
3-8	67	62	4-12	79	47
3-9	60	43	4-13	64	46
3-10	76	43	4-14	68	47
3-11	65	38	4-15	74	49
3-12	64	42	4-16	70	47
3-13	52	35	4-17	75	54
3-14	75	37			

TABLE B-3. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
4-18	80	58	5-22	88	67
4-19	76	41	5-23	88	52
4-20	86	53	5-24	92	54
4-21	87	54	5-25	106	62
4-22	86	63	5-26	108	65
4-23	85	52	5-27	114	80
4-24	80	51	5-28	109	71
4-25	83	45	5-29	107	65
4-26	81	48	5-30	111	48
4-27	84	38	5-31	106	65
4-28	93	61	6-1	99	60
4-29	85	53	6-2	100	69
4-30	92	55	6-3	106	74
5-1	96	52	6-4	105	73
5-2	83	47	6-5	103	59
5-3	76	55	6-6	118	66
5-4	73	44	6-7	104	65
5-5	84	51	6-8	105	66
5-6	88	54	6-9	97	68
5-7	76	44	6-10	109	73
5-8	84	47	6-11	109	73
5-9	89	68	6-12	105	71
5-10	93	65	6-13	107	72
5-11	99	66	6-14	103	71
5-12	95	81	6-15	101	73
5-13	97	66	6-16	101	71
5-14	95	57	6-17	107	63
5-15	100	59	6-18	98	42
5-16	90	55	6-19	96	66
5-17	106	58	6-20	96	54
5-18	95	68	6-21	95	63
5-19	101	65	6-22	106	65
5-20	111	67	6-23	103	71
5-21	86	72	6-24	97	67
			6-25	95	65

TABLE B-3. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
6-26	111	71	7-31	105	79
6-27	103	73	8-1	99	63
6-28	107	79	8-2	104	63
6-29	102	65	8-3	109	72
6-30	103	48	8-4	102	79
7-1	101	78	8-5	111	75
7-2	107	78	8-6	109	74
7-3	104	77	8-7	109	73
7-4	111	76	8-8	96	69
7-5	88	65	8-9	115	75
7-6	87	58	8-10	108	72
7-7	93	63	8-11	112	79
7-8	98	58	8-12	104	89
7-9	103	76	8-13	107	71
7-10	103	76	8-14	103	73
7-11	101	75	8-15	102	71
7-12	102	76	8-16	104	70
7-13	100	74	8-17	96	73
7-14	100	76	8-18	90	76
7-15	90	78	8-19	84	78
7-16	105	74	8-20	90	78
7-17	94	70	8-21	92	76
7-18	88	60	8-22	91	74
7-19	93	57	8-23	94	75
7-20	106	67	8-24	95	76
7-21	96	75	8-25	97	73
7-22	92	77	8-26	96	72
7-23	96	61	8-27	98	69
7-24	97	67	8-28	99	68
7-25	95	64	8-29	101	69
7-26	86	66	8-30	100	68
7-27	93	60	8-31	102	69
7-28	101	77	9-1	104	67
7-29	101	79	9-2	104	66
7-30	101	64			

TABLE B-3. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
9-3	100	81	9-18	78	59
9-4	110	73	9-19	79	45
9-5	105	75	9-20	71	51
9-6	101	73	9-21	79	53
9-7	88	62	9-22	81	50
9-8	99	66	9-23	75	43
9-9	91	54	9-24	87	52
9-10	90	70	9-25	68	49
9-11	92	61	9-26	73	34
9-12	82	68	9-27	69	43
9-13	84	61	9-28	71	55
9-14	84	48	9-29	83	56
9-15	85	50	9-30	80	50
9-16	77	46			
9-17	84	49			

TABLE B-4. Mod Pots Ambient Temperature, °F.

No data available is indicated ...

1985			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
12-7	77	38	1-20	77	49
12-8	79	38	1-21	70	40
12-9	68	36	1-22	56	24
12-10	45	43	1-23	70	31
12-11	54	35	1-24	78	32
12-12	70	28	1-25	74	21
12-13	70	29	1-26	74	26
12-14	78	30	1-27	94	21
12-15	80	32	1-28	78	32
12-16	...	...	1-29	80	35
through			1-30	76	37
12-31	...	...	1-31	75	40
1986			2-1	72	42
1-1	...	...	2-2	68	44
1-2	...	...	2-3	68	44
1-3	...	...	2-4	59	33
1-4	...	...	2-5	58	26
1-5	...	...	2-6	46	34
1-6	95	57	2-7	56	34
1-7	69	30	2-8	106	51
1-8	67	23	2-9	110	68
1-9	101	25	2-10	110	65
1-10	103	35	2-11	52	28
1-11	96	49	2-12	56	28
1-12	99	42	2-13	73	38
1-13	90	28	2-14	56	44
1-14	68	37	2-15	62	38
1-15	71	25	2-16	66	36
1-16	60	33	2-17	59	39
1-17	66	24	2-18	50	30
1-18	75	34	2-19	69	52
1-19	83	39	2-20	56	39
			2-21	60	34
			2-22	45	30

TABLE B-4. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
2-23	60	35	3-30	101	77
2-24	72	52	3-31	82	56
2-25	103	50			
2-26	104	54	4-1	83	48
2-27	88	52	4-2	69	41
2-28	96	58	4-3	87	45
			4-4	78	43
3-1	90	54	4-5	78	25
3-2	80	50			
3-3	89	54	4-6	61	28
3-4	86	50	4-7	65	29
3-5	90	50	4-8	82	52
			4-9	85	53
3-6	90	50	4-10	87	51
3-7	79	56			
3-8	64	52	4-11	82	50
3-9	62	30	4-12	78	43
3-10	78	39	4-13	72	37
			4-14	76	37
3-11	78	40	4-15	73	43
3-12	80	42			
3-13	79	41	4-16	72	45
3-14	82	45	4-17	67	42
3-15	81	43	4-18	78	44
			4-19	74	41
3-16	83	47	4-20	100	43
3-17	93	79			
3-18	91	56	4-21	96	58
3-19	85	52	4-22	95	56
3-20	90	48	4-23	92	53
			4-24	96	49
3-21	80	49	4-25	86	46
3-22	78	57			
3-23	85	46	4-26	83	48
3-24	90	53	4-27	88	42
3-25	87	44	4-28	99	63
			4-29	97	56
3-26	88	49	4-30	97	50
3-27	92	56			
3-28	91	42	5-1	104	58
3-29	101	60	5-2	101	55

TABLE B-4. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
5-3	91	54	6-6	109	81
5-4	77	45	6-7	111	76
5-5	97	74	6-8	109	90
5-6	72	54	6-9	116	92
5-7	72	38	6-10	115	91
5-8	87	42	6-11	116	92
5-9	98	70	6-12	114	90
5-10	103	66	6-13	116	92
5-11	101	35	6-14	115	93
5-12	96	47	6-15	116	94
5-13	102	70	6-16	115	94
5-14	103	59	6-17	119	76
5-15	107	74	6-18	113	89
5-16	88	65	6-19	106	69
5-17	82	69	6-20	111	74
5-18	88	62	6-21	111	65
5-19	89	57	6-22	109	62
5-20	111	70	6-23	121	86
5-21	99	83	6-24	112	84
5-22	93	48	6-25	118	7
5-23	96	56	6-26	114	7
5-24	112	78	6-27	107	7
5-25	111	71	6-28	123	7
5-26	115	72	6-29	115	7
5-27	115	68	6-30	115	7
5-28	115	73	7-1	115	7
5-29	113	78	7-2	115	7
5-30	113	99	7-3	115	7
5-31	109	71	7-4	115	7
6-1	110	75	7-5	115	7
6-2	116	88	7-6	115	7
6-3	121	69	7-7	115	7
6-4	107	71	7-8	115	7
6-5	106	70	7-9	115	7

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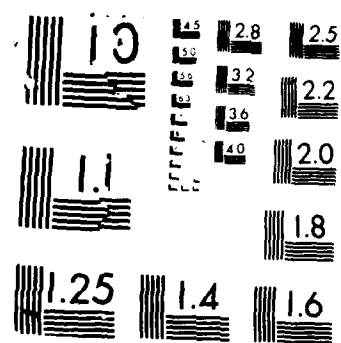


TABLE B-4. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
7-11	112	79	8-15	124	77
7-12	118	88	8-16	118	76
7-13	121	79	8-17	118	57
7-14	111	77	8-18	107	73
7-15	105	81	8-19	125	84
7-16	113	89	8-20	126	93
7-17	95	79	8-21	127	83
7-18	118	99	8-22	128	74
7-19	123	72	8-23	108	70
7-20	117	72	8-24	...	...
7-21	118	80	through		
7-22	105	88	9-1	...	...
7-23	108	82	9-2	126	93
7-24	114	83	9-3	117	91
7-25	105	72	9-4	118	83
7-26	108	68	9-5	124	84
7-27	105	61	9-6	119	75
7-28	101	67	9-7	116	71
7-29	118	71	9-8	111	70
7-30	122	88	9-9	122	72
7-31	125	76	9-10	100	73
8-1	129	86	9-11	106	63
8-2	122	67	9-12	102	80
8-3	122	82	9-13	96	50
8-4	123	84	9-14	87	52
8-5	122	85	9-15	87	57
8-6	117	88	9-16	87	62
8-7	128	91	9-17	70	58
8-8	127	78	9-18	91	71
8-9	125	67	9-19	95	52
8-10	124	79	9-20	100	45
8-11	128	84	9-21	95	49
8-12	119	93	9-22	98	48
8-13	128	88	9-23	100	44
8-14	119	69	9-24	81	55

TABLE B-4. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
9-25	83	62	9-28	84	53
9-26	89	47	9-29	93	56
9-27	79	40	9-30	93	50

TABLE B-5. Mod Pots Water Temperature, °F.

No data available is indicated by ...

1985			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
12-7	176	172	1-21	169	160
12-8	178	174	1-22	170	152
12-9	174	168	1-23	176	148
12-10	162	154	1-24	175	142
12-11	170	160	1-25	171	156
12-12	179	164	1-26	168	148
12-13	179	162	1-27	168	159
12-14	177	170	1-28	160	149
12-15	...	...	1-29	158	148
through	...	...	1-30	159	146
12-31	...	...	1-31	157	148
1986			2-1	160	144
1-1	...	...	2-2	159	147
1-2	...	...	2-3	154	149
1-3	...	...	2-4	153	151
1-4	...	...	2-5	165	160
1-5	...	...	2-6	164	153
1-6	173	154	2-7	170	160
1-7	181	159	2-8	152	150
1-8	176	159	2-9	158	147
1-9	182	160	2-10	164	159
1-10	186	148	2-11	165	156
1-11	173	141	2-12	163	162
1-12	165	141	2-13	155	154
1-13	161	155	2-14	176	156
1-14	165	163	2-15	168	167
1-15	169	168	2-16	165	152
1-16	164	163	2-17	160	144
1-17	173	157	2-18	165	154
1-18	180	162	2-19	158	150
1-19	180	166	2-20	166	152
1-20	170	168	2-21	168	161
			2-22	177	161

TABLE B-5. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
2-23	174	156	3-30	159	148
2-24	168	153	3-31	147	141
2-25	167	158			
2-26	174	156	4-1	155	145
2-27	168	150	4-2	150	134
2-28	168	153	4-3	154	140
			4-4	156	148
3-1	172	149	4-5	150	143
3-2	167	152			
3-3	170	150	4-6	158	142
3-4	172	160	4-7	164	152
3-5	171	162	4-8	162	155
			4-9	173	154
3-6	174	164	4-10	162	152
3-7	174	159			
3-8	163	134	4-11	162	150
3-9	163	144	4-12	153	137
3-10	169	151	4-13	158	140
			4-14	155	138
3-11	153	149	4-15	159	143
3-12	155	150			
3-13	157	150	4-16	150	146
3-14	158	151	4-17	153	147
3-15	156	150	4-18	151	147
			4-19	155	150
3-16	160	152	4-20	156	133
3-17	160	150			
3-18	159	148	4-21	146	136
3-19	162	153	4-22	145	131
3-20	173	155	4-23	145	129
			4-24	141	129
3-21	168	152	4-25	144	131
3-22	164	149			
3-23	157	149	4-26	140	130
3-24	158	146	4-27	139	124
3-25	157	142	4-28	138	134
			4-29	139	125
3-26	158	141	4-30	147	122
3-27	157	144			
3-28	159	142	5-1	138	128
3-29	158	142	5-2	135	126

TABLE B-5. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
5-3	129	129	6-6	144	128
5-4	130	120	6-7	139	134
5-5	132	125	6-8	139	134
5-6	132	126	6-9	140	132
5-7	134	125	6-10	138	130
5-8	136	126	6-11	143	128
5-9	144	136	6-12	141	129
5-10	139	130	6-13	140	132
5-11	132	118	6-14	138	130
5-12	123	119	6-15	141	134
5-13	145	122	6-16	143	139
5-14	141	121	6-17	144	138
5-15	134	128	6-18	140	128
5-16	148	128	6-19	142	135
5-17	146	128	6-20	142	136
5-18	144	130	6-21	145	142
5-19	141	133	6-22	151	143
5-20	134	127	6-23	142	138
5-21	131	122	6-24	153	137
5-22	136	127	6-25	151	138
5-23	133	127	6-26	147	140
5-24	137	123	6-27	149	137
5-25	134	132	6-28	143	130
5-26	131	129	6-29	156	148
5-27	140	129	6-30	153	145
5-28	140	129	7-1	143	136
5-29	144	128	7-2	153	144
5-30	147	128	7-3	140	126
5-31	136	135	7-4	138	132
6-1	139	135	7-5	136	127
6-2	137	130	7-6	141	141
6-3	137	135	7-7	146	136
6-4	137	135	7-8	145	135
6-5	136	128	7-9	147	132
			7-10	153	129

TABLE B-5. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
7-11	143	140	8-15	148	139
7-12	142	126	8-16	154	134
7-13	142	139	8-17	146	134
7-14	145	144	8-18	159	140
7-15	148	140	8-19	164	163
7-16	151	133	8-20	160	159
7-17	135	134	8-21	160	144
7-18	142	123	8-22	163	146
7-19	143	125	8-23	163	146
7-20	148	127	8-24	160	144
7-21	146	142	8-25	161	140
7-22	142	136	8-26	160	145
7-23	153	139	8-27	162	138
7-24	162	149	8-28	159	136
7-25	153	134	8-29	163	140
7-26	145	134	8-30	157	142
7-27	149	132	8-31	155	144
7-28	144	136	9-1	152	146
7-29	142	131	9-2	152	146
7-30	141	132	9-3	156	136
7-31	150	139	9-4	148	123
8-1	150	143	9-5	143	139
8-2	145	138	9-6	152	131
8-3	155	132	9-7	151	130
8-4	151	135	9-8	151	134
8-5	142	139	9-9	149	137
8-6	153	137	9-10	149	134
8-7	155	140	9-11	153	138
8-8	149	132	9-12	152	142
8-9	149	123	9-13	159	143
8-10	151	129	9-14	156	139
8-11	150	138	9-15	161	142
8-12	155	137	9-16	166	156
8-13	153	136	9-17	161	136
8-14	152	139			

TABLE B-5. (Contd.)

1986			1986		
Date	Temperature, °F		Date	Temperature, °F	
	High	Low		High	Low
9-18	165	146	9-25	173	156
9-19	175	152	9-26	169	153
9-20	164	157	9-27	170	159
9-21	169	159	9-28	174	169
9-22	173	162	9-29	186	179
			9-30	176	161
9-23	171	165			
9-24	159	153			

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